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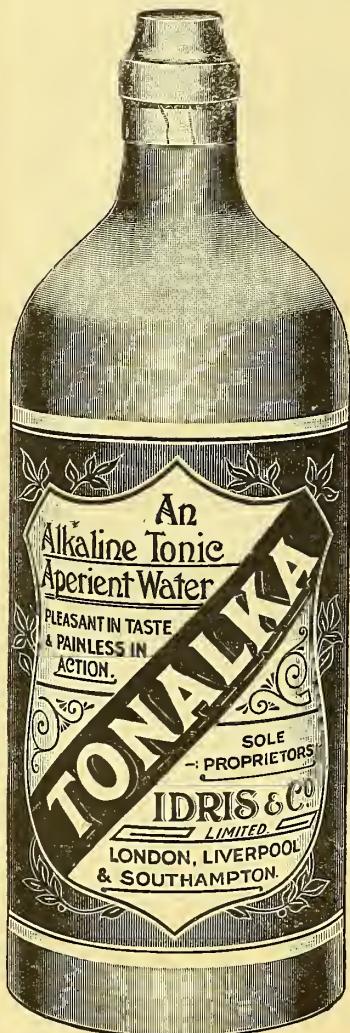
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91 & 92 GREAT SAFFRON HILL, LONDON, E.C.

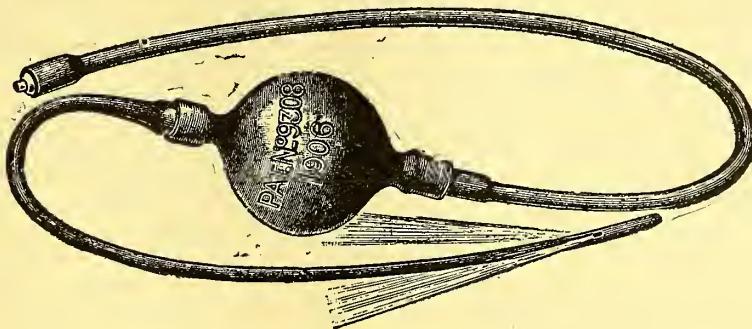
“HYDRION” A Powerful Antiseptic Tablet
quickly soluble in water: for
Dressing Skin Wounds, Lacerations, Compound Fractures, Burns, &c.

The formula of an eminent surgeon, obtained after years of scientific research and clinical application. “Sepsis,” where directions are faithfully carried out, is unknown. See *LANCET*, Dec. 19, 1914, pp. 1438 *et seq.*

Write for Pamphlet and Free Sample.

The “NEW CENTURY” Urethral Syringe.

Price 5/-
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Eng. Patent
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Patented at Home
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CHIEF POINTS OF VANTAGE :

(1) Simplicity and comparative comfort in use.	(4) Remarkable absence of distress in use.
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**COMPRESSED INJECTION TABLETS, SPECIALLY MANUFACTURED for
use with the “NEW CENTURY” URETHRAL SYRINGE.**

Each tablet makes half a pint of non-irritating injection.

Glass Tubes, containing 12 tablets, price 6d. each tube.

**“DETERGOL” BRITISH MADE WITH
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AN IDEAL ANTISEPTIC DEODORANT DISINFECTANT.

Contains 20% more Cresol than any other similar preparation.

Superior to any German Preparation.

Surgical Instruments can be safely sterilised and disinfected in a few seconds without danger of corroding by using “Detergol.”

USED BY THE MEDICAL PROFESSION FOR FOURTEEN YEARS.

TABLETS, PILLS, etc., and
CHEMICAL and MEDICINAL PREPARATIONS of all descriptions

MANUFACTURED BY

HOUGH, HOSEASON & CO.

Wholesale Manufacturing Chemists
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"FARRISOL"

— ENGLISH MADE —

WHITE MEDICINAL OIL, B.P.

(PARAFFINUM LIQUIDUM, from Pure Russian Oils).

Guaranteed to exactly conform to B.P. tests.

RECOMMENDED AND ADOPTED BY THE HIGHEST MEDICAL AUTHORITIES.

ABSOLUTELY ODOURLESS AND TASTELESS.

Consumers should insist upon a thorough test, as there are so-called white oils on the market which lack the pure ingredients and the special treatment absolutely essential to produce the B.P. article. By purchasing from Charles Farris you secure the guarantee of an old-established House and complete satisfaction.

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MAWS FAMILY DOUCHE

AN IMPROVED PATTERN

There is value in every line of this pattern; white enamelled tin fitted with best English grey tubing, complete with set of vulcanite douche fittings in strong card box.

Price per dozen:

2 pint	3 pint	4 pint
41/6	44/6	46/-

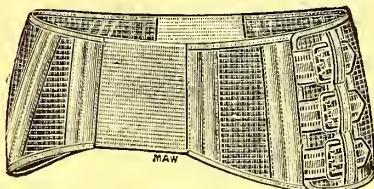
A BELT FOR SUMMER WEAR

This GOSSAMER BELT will appeal to many customers who require an article specially designed for summer and tropical wear. It is fitted with thread elastic side.

Soldiers on active service will find this belt very light in use, and affording a comfortable and beneficial support to the abdomen.

It is also an excellent support for cases of dilation at the stomach and abdominal weakness; also suitable for wear after operation.

Stock sizes in card box, **6/-** each.



No. 244

JUNE 17, 1916

Page

LEADING HOLIDAY REQUISITES

Don't forget the Holiday Season! A percentage of the public are still in need of the following articles.

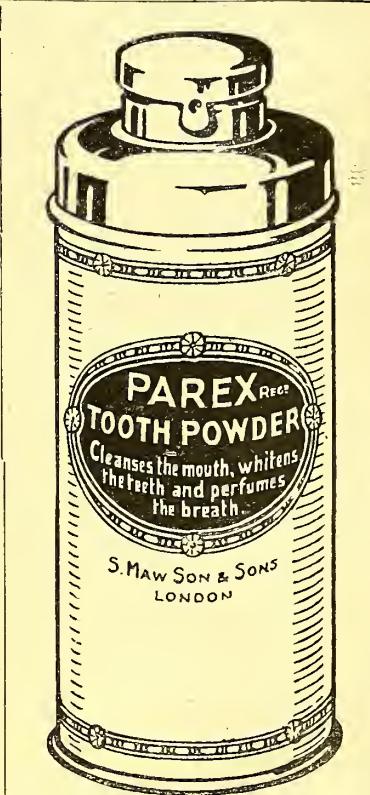
One of the best holiday lines is VACUUM FLASKS. Useful for picnics and the now-popular "daylight" supper river parties.

Price each	2/10
By one dozen	2/8 each
By case of 50	2/6 each net.

Khaki VACUUM FLASK COVERS fitted with shoulder straps and tape for fastening. **10/6** dozen.

Holiday folk and soldiers need SPONGE BAGS. The "Strand" pattern is popular. Buff colour. Price per doz.: 7 x 6, **8/-**; 8 x 7, **9/-**; 9 x 8, **10/-**; 10 x 9, **12/-**; 11 x 10, **14/-**; 12 x 11, **16/-**.

Our Rubber-proofed TOILET HOLDALL, 14/C2, fancy floral pattern, (16 x 9½ in.) is still a most popular line, **20/-** doz.



S. MAWS. SON & SONS
LONDON

The Dentifrice that is rich in cleansing and antiseptic properties.

8/6 dozen with Bonus

TRADE MARK

THE MOST ECONOMICAL INFANTS' FOOD.

FRAME FOOD

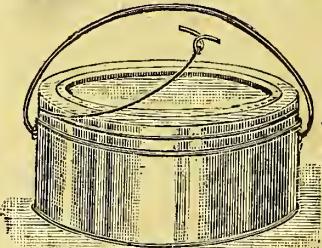
ON P.A.T.A. LIST.

SHOWCARDS FREE.

FRAME FOOD CO., Standen Road, Southfields, London.

MILK POWDER**SOWALT BRAND**Full-cream and separated,
of strictly finest quality.FOR QUOTATIONS APPLY TO
NALBOROUGH & SONS, LTD.
HARWICH, Essex.**The Northern Tin Canister Works,**

6 Mersey Street,

LIVERPOOL.We manufacture for
the paint trade in all its
branches—Decorated and
Plain work.TIGHT SEAMING &
VARNISH BOTTLES
A SPECIALITY.Patent Air Tight Slip-lid Tin
for Export.

Prompt Deliveries Assured.

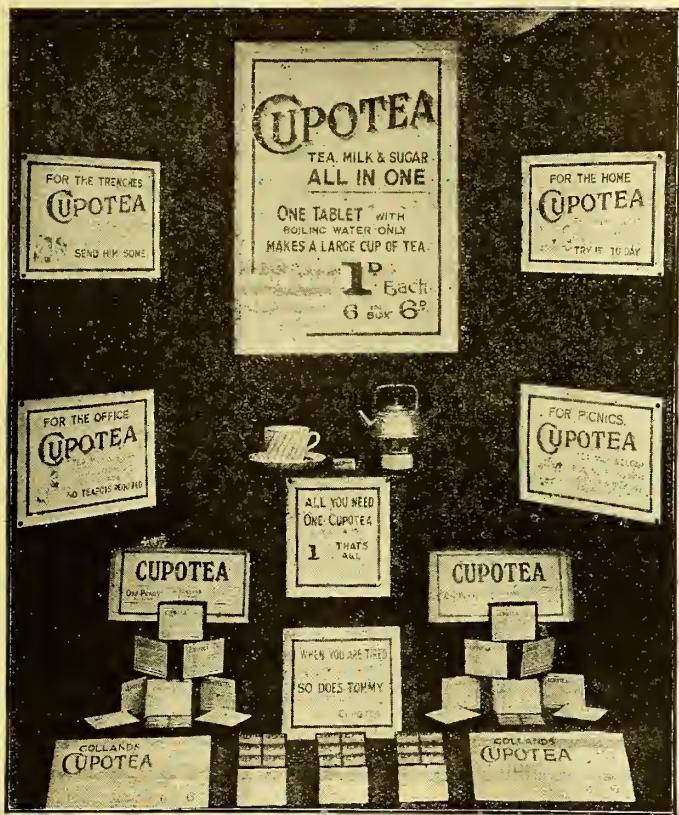
THE FRENCH NATURAL MINERAL
WATER.**VICHY-CÉLESTINS****DISORDERS** of the **LIVER, GOUT,**
Diabetes, Rheumatism, Gravel, &c.**VICHY-ETAT PASTILLES.**

Two or three Pastilles after each meal facilitate Digestion.

CAUTION.—Each Bottle from the STATE SPRINGS bears a neck label
with the words "VICHY-ETAT" and the name of the SOLE AGENTS:
INGRAM & ROYLE, Ltd., Bangor Wharf, 45 Belvedere Road, LONDON, S.E.

PROPERTY OF THE FRENCH GOVERNMENT.

This Window Show will create Big Sales.



It is FREE with Orders for One Gross 6d. Cup-o-Tea.

Cup-o-Tea is Tea, Sugar and Milk in tablet form.

It sells at a popular price.
It is a quick seller.

NOTE OUR PRICES.

6d. Boxes, containing	
6 tablets	4/9 per dozen.
One Gross lots	4/6 "
Penny Tablets, packed in boxes containing 3 or 6 doz. tablets	9/- per gross.
6 gross lots	8/6 "

Above Prices are Carriage Paid and subject to 2½ % for cash with order.

Send your order or write for Sample to—

LLOYD'S 60 Tennyson Rd.,
Small Heath
BIRMINGHAM

(Cup-o-Tea is stocked by the leading wholesale houses.)

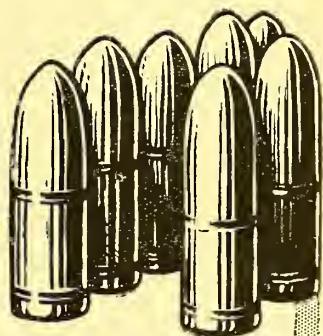
You can't get Glycerine —

the Government wants it

and the demands of H.M. Government must come first.
But you can get something equally as good for external use

HOLOYDINE

is an efficient substitute. Just give it a trial. A postal order for 3/6 brings you a jar of Holoydine Paste (sufficient to prepare 96 oz.) together with a smart window poster, and a supply of well-designed labels. Why shouldn't YOU get some of the business done by the Multiple shops? They sell Glycerine substitutes—why don't you? Obtainable from the leading wholesale houses or direct from



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WRAPPED IN FOIL AND PAPER PER HOUR, WITH ONE OPERATOR.

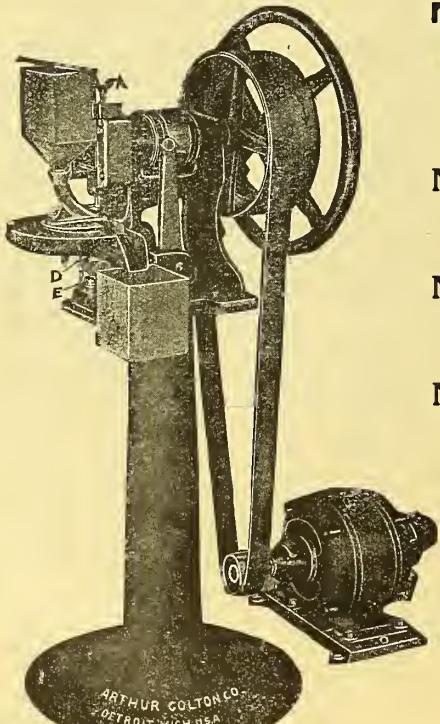


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TABLET MACHINES

In stock, ready for immediate delivery.

No. 2B MACHINE for tablets $\frac{1}{8}$ in. to $\frac{1}{2}$ in. diameter, including 3 sets of punches and dies.

(This machine has a capacity of 125 tablets per minute.)

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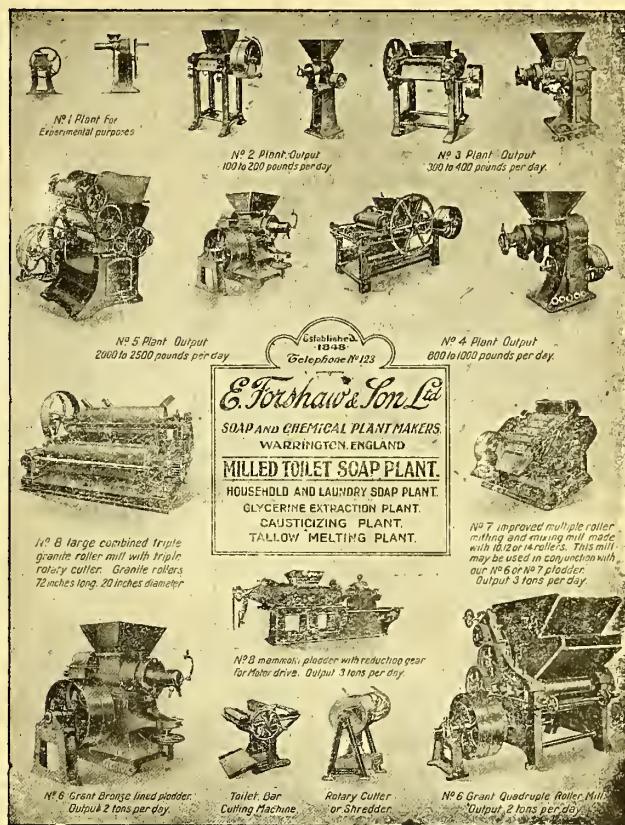
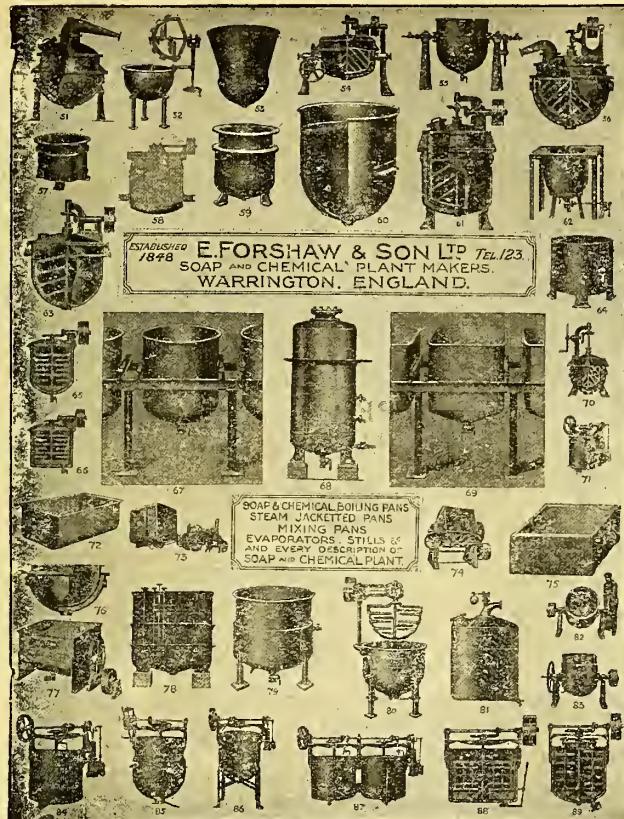
(This machine has a capacity of 100 tablets per minute.)

No. 4 MACHINE for tablets $\frac{1}{2}$ in. to $\frac{3}{4}$ in. diameter, including 1 set of punches and die,

A massive machine of great power. (Capacity 90 tablets per minute.)

Complete Pill Making Plants.
Gelatine Coaters.
Collapsible Tube Filling and Closing Machines.

JOHN J. GRIFFIN & SONS, LTD.,
Kingsway, London, W.C.

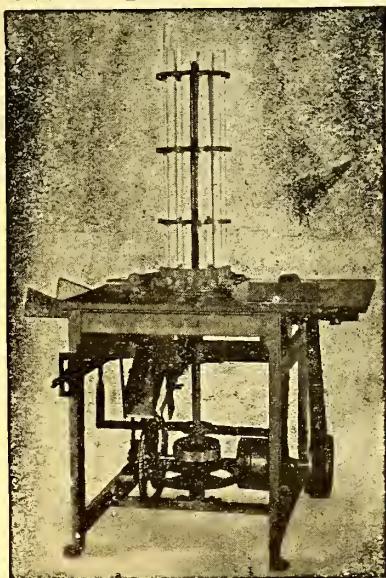


SURGICAL BANDAGE MACHINERY

Complete Plant for Making Bandages.

CLOTH ROLLING & MEASURING MACHINE
BANDAGE PAPERING MACHINE
BANDAGE CUTTING MACHINE

BANDAGE CUTTING MACHINE



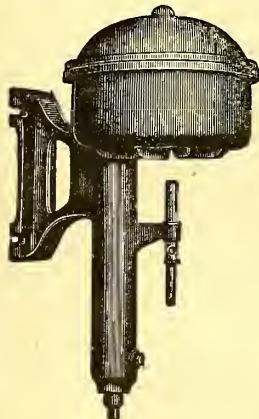
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BANDAGES
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STOKES' AUTOMATIC WATER STILL. SIMPLICITY ITSELF.

STOKES' GAS-HEATED WATER STILL will distil half to two-thirds of a gallon per hour.

NO LICENCE NECESSARY.



ENTIRELY AUTOMATIC THEREFORE IT REQUIRES NO ATTENTION.

Most Economical & Efficient Still made.

EASILY FIXED IN A FEW MINUTES.

Only requires Gas and Water Connections.

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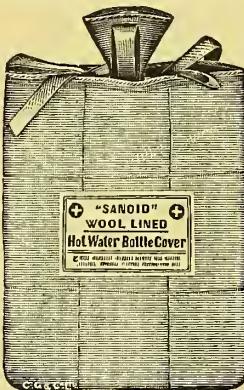
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(GERRARD'S PATENT).

WOOL - LINED
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RETAIN THE HEAT



COMFORTABLE in USE
GIVE SATISFACTION
WEAR WELL

IN THREE COLOURS, PINK, RED AND BLUE.

8×6	10×6	10×8	12×6	12×8	12×10	14×8	14×10	14×12
5/-	5/-	6/-	6/-	6/-	7/6	7/6	9/-	9/- doz.

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To H.M.
King George V.

To H.M.
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All subject to being unsold on receipt of inquiry.

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POTTER & MOORE'S
Fragrant Old English
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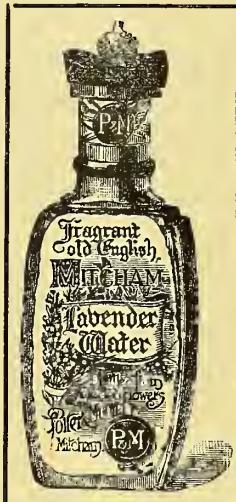
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2 doz. 1/- size	-	1	4
2 „ 1/9 „	-	2	2
1 „ 3/- „	-	1	16
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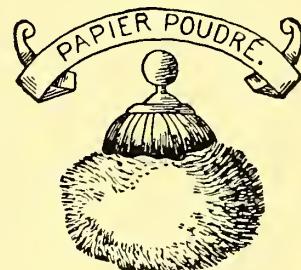


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IN WHITE, ROSE, RACHEL & SUNBURN TINTS, 3d., 4½d., 6d. & 1/- size Booklets.
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A concentrated combination of the choicest flowers, aromatic herbs and roots, with the rare spices and gums of Arabia. "PETAL DUST" has been the favourite perfume of all classes for over half a century and still commands the largest sale of any dried perfume in the world.

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THE OXYGEN TOOTH POWDER.

Samples, Display Cards, & other advertising matter, free.

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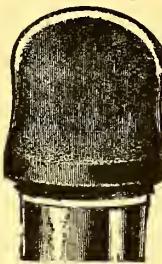
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GOLD-BEATERS SKIN for Medical Purposes
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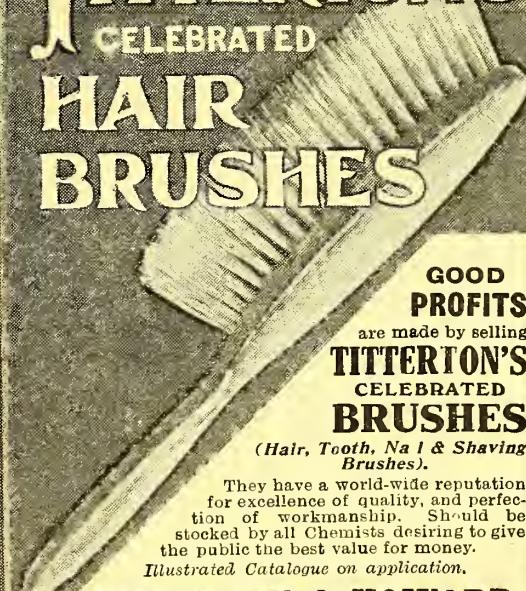


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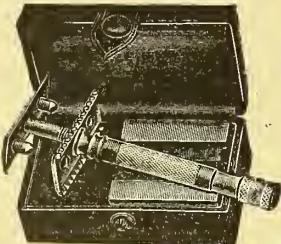
ARABIC GUMS, CASCARA SAGRADA, ERGOT, CITRIC ACID, COD LIVER OIL, CREAM OF TARTAR, GLYCERIN, HONEYS, MESSINA ESSENCES, OLIVE OIL, PEPPERMINT OIL, QUININE, QUICK-SILVER, RHUBARB, SARSAPARILLA, SHELLAC, TURPENTINE.

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Complete Outfits,
8/6 to 36/- Doz.

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RAZOR BLADES,
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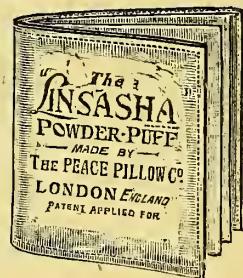
5 $\frac{1}{2}$ × 3 $\frac{7}{8}$ × 1 and 4 $\frac{7}{8}$ × 3 $\frac{7}{8}$ × 1.

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Reasonable offers invited.

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Makes old straw hats like new.
A compound that cleans & bleaches.

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Strawberry,
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White, Yellow, Amber,
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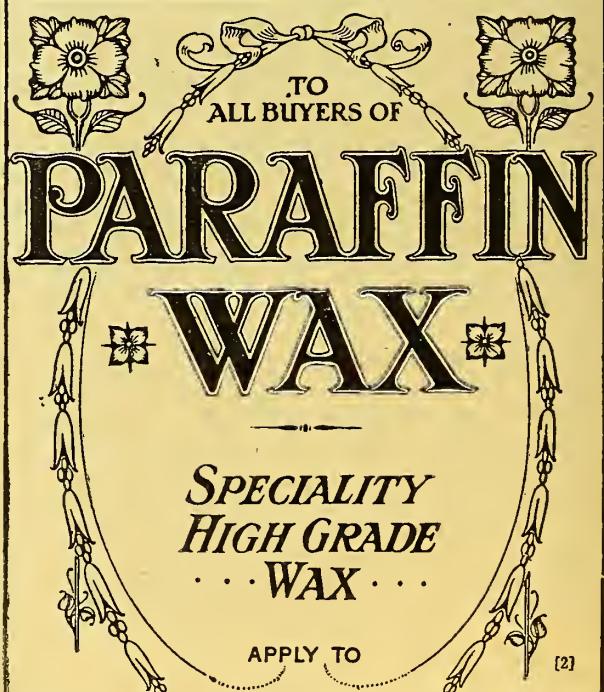
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Health Salts ; also tins for same
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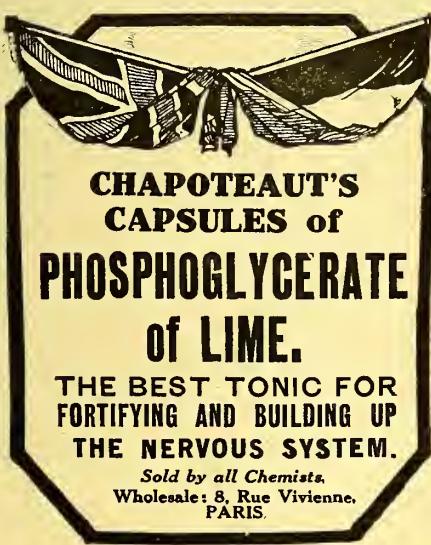
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MORRHUOL DE CHAPOTEAUT
is extracted from cod-liver oil, and
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*It cures Coughs, Bronchitis and Catarrh,
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DROPS
(Gouttes des Colonies)

A harmless antiseptic
preventative against CHOLERA-
FERMENTATION- INDIGESTION
& other intestinal disturbances.
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I find the odour exquisite and
will be charmed to have healed
by thy grace. Very sincerely
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A wide band sticky on both sides, unrolling like a blind.

Proprietors of **FLYODOOMO**—
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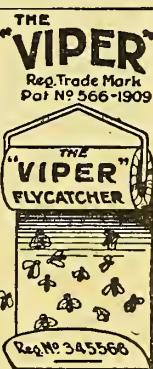
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Wholesale & Export Drug Merchants,
Manufacturing Chemists

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Are reluctantly compelled to advance the prices of the following preparations, but, as the protected retail prices are also increased, the Trader's profit is still large.

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*LOSALL'S SALT (well advertised), tins	7½d.	5/-
" " " " "	1/2	10/-
" " " " cartons	1/6	12/-

***Losall's Salt sells so well, surely it must pay Pharmacists to stock such a large profit-bearing protected line.**

LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated skin soap, } 1/6 12/-
especially suitable for use in Eczema

Chemists requiring effective advertising matter for Losall's Salt, &c., will, on application direct to Lofthouse & Saltmer, receive a liberal supply of Dummies, Showcards, Window Slips, Price Tickets, &c., Carriage Paid, whether or no they have an account open with the Firm.

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By Specialities made from well-tried, proved and reliable recipes which have stood the test for twenty years.
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"Vir-Ung"—(A Vegetable Salve).

Soothing, Healing and Curative for General Family use. It will compare favourably with the much-advertised Ointments, and pay treble profit.

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For making Nursery Lotion. A Concentrated Soluble Powder. 3d. boxes (costing under 1/- per dozen) make half-pint Strong Lotion.

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Makes a Delicious Cooling and Refreshing Drink. Contains Phosphorus, and resembles old style Zoedone.

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Concentrated Pomade. Positively forces and increases the Growth; specially useful for Bald Spots, Weak Eyebrows, &c.

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Catheters and Bougies, in Black or Brown Gum, and Finest Silk Web. Specula, Rectal and Oesophageal Instruments.
Horse Catheters and Cattle Probangs. Wholesale and Export only. Price List from the Manufacturers.

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The Summer Issue of the "Chemist & Druggist"
will be published on July 29, 1916.

Firms desirous of sending out Circulars or Price Lists to the trade with this issue should communicate at once with

The Publisher, 42 Cannon Street, London, E.C.

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LIVE rats are not to be found in the same place where

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has been laid down. It acts like magic, and makes a clean sweep in a night.

Agents get 100% profit.

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NEW CATALOGUE
OF BOTTLING, TUBE- &
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Sells readily ALL the time.

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PURE ORANGE WINE

(VINUM AURANTII B.P.)

Prepared in strict accordance with the Formula of the British Pharmacopœia.

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SHOULD STOCK

ABDINE

THE GOLD MEDAL FRUIT DRINK.

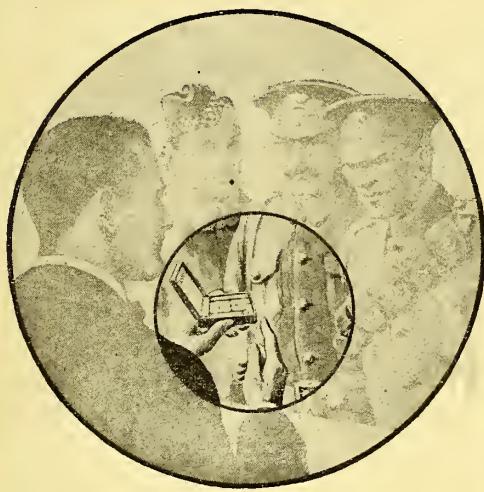
Quick Seller, Big Profits. Quarter of a Century's Reputation.
"ABDINE" is the most popular Health Drink. Superior to all Mineral Waters. Sold in 1d. Packets, and Boxes of 13 Packets at 1/- Order through your Wholesale Drug House.

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On various widths and qualities. Send for Samples, with Prices, and compare with any foreign production, to The Norwich Crepe Co. (1856), Ltd., St. Augustines, Norwich, who are acknowledged to be the only manufacturers in Great Britain.



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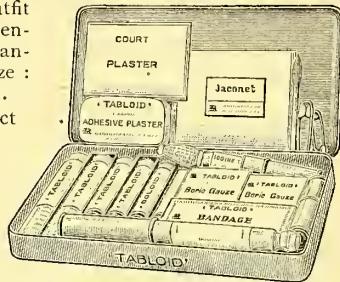
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London Exhibition Room: 54, Wigmore Street, W.

G 715

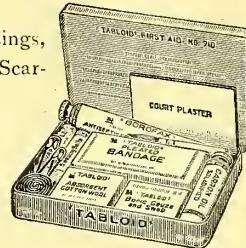
TRADE MARK **'TABLOID'** BRAND Medicine
Pocket-Case ^{No. 109} for Officers

A superior outfit for use in emergencies. Black japanned metal. Size: $6\frac{1}{4} \times 3\frac{1}{4} \times \frac{7}{8}$ in. Price 7/6 subject



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Soothing antiseptic for skin injuries. Ideal for galled feet after marching. Strong collapsible tubes with large screw caps. Two sizes: 6/0 and 10/0 per dozen tubes respectively, subject.

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Excellent quality and fine aroma. Just the thing for making tea in camp or the trenches. Keeps perfectly. A Special Blend also issued. Both qualities in tins of 100 and 200. Prices 10/0 and 20/0; Special Blend, 15/0 and 30/0 per dozen tins, subject.

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For sweetening tea, etc. Each tiny product equal to a lump of best sugar. Bottle of 500 goes easily into the vest-pocket. Issued in bottles: 100 at 14/0, 200 at 26/0 and 500 at 62/0 per dozen bottles, subject.

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For purifying drinking-water. Two products to the soldier's bottleful of water. Helps to protect men against typhoid, cholera, etc. Issued in bottles of 50, at 12/0 per dozen bottles, subject.

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The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official Journal of eighteen Chemists' Societies in Australia, Ireland, New Zealand, South Africa, and the West Indies.

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Head Office: 42 CANNON STREET, LONDON, E.C.
Telegrams: "Chemicus, Cannon, London." Telephone 3617 Central (three lines).

Branches: ADELAIDE, MELBOURNE, AND SYDNEY, AUST.

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Business Circulars and Price-lists.

We remind business houses that a particularly good opportunity of distributing these to buyers is provided by our Summer Issue to be published in the week ending July 29. They will be inserted as Insets, and our Publisher will furnish full particulars on application.

Coming Events.

Sunday, June 18.

Pharmacist Volunteer Training Corps, Victoria Station, London, S.W., at 8.30 and 10 A.M.—Trains to Olford for field work. The bacteriological classes will be held at 10 Bedford Square, W.C., on June 21, 22, and 24.

Tuesday, June 20.

West Ham, East Ham, and Metropolitan Essex District Association of Pharmacists, Earlsfield Hall, Forest Gate, London, E. 18, at 9.45 P.M. Open meeting, at which the position in regard to military service will be explained.

Wednesday, June 21.

Smethwick Pharmaceutical Association versus West Bromwich Pharmaceutical Association, will play a game at bowls at West Smethwick Park at 3 P.M. Tea will be taken afterwards, by invitation, at Mr. Hampton's house.

Thursday, June 22.

Pharmacists' Volunteer Training Corps and London County Pharmaceutical Associations, Frascati's Restaurant, London, W., at 6.30 P.M. Dinner. Tickets (7s. - 6d. each) from Q.M. H. A. Mills, 3 Croxton Road, Dulwich, S.E.

European War News.

Enemy Patents and Trade-marks.

Allen & Hanburys, Ltd., Plough Court, Lombard Street, London, E.C., are applying for the avoidance or suspension, or for a licence to work patent 942/07, "Chemicocompounds for use in medicine and pharmacy, and process for manufacture of same," belonging to M. Daege, H. Knoll, and A. Knoll. The hearing will be on June 21. This is the patent under which bromural is made. The Board of Trade has suspended in favour of the Yorkshire Dyeware and Chemical Co., Ltd., patent 13955/04, "Reducing agents," belonging to the Badische Anilin- und Soda-Fabrik; and a licence has been granted to Mr. C. S. Bedford to work patent 22453/11, "Formaldehyde sulphoxylates," belonging to the same German company. The application for the avoidance or suspension of the santonogen and formamint trade-marks which was advertised to be made by Boot's Pure Drug Co., Ltd., has been withdrawn.

Enemy Firms to be Wound Up.

Orders have been made by the Board of Trade, requiring the following businesses to be wound up:

Walter Ostermann & Co., 10 Monument Street, London, E.C., dealers in chemicals; Controller, P. D. Leake, 25 Abchurch Lane, King William Street, London, E.C.

Reinemann & Co., late 7 New Zealand Avenue, London, E.C., dealers in bronze-powders, etc.; Controller, A. Dangerfield, 56 Cannon Street, London, E.C.

Charles H. Blume, Western Road, Mitcham, Surrey, varnish and enamel manufacturer; Controller, J. W. Barratt, 10A Coleman Street, E.C.

G. Dittmann, Ltd., 58 City Road, London, E.C., agents for the sale of aniline dyes, records, and gramophones; Controller, S. J. Field, 17 Shaftesbury Avenue, W.

Import and Export Notices.

AUSTRIA-HUNGARY.—By ministerial decree of May 18 mineral waters and calcium chloride have been added to the list of export prohibitions.

GERMANY.—Exportation of glass in any form and of glassware is prohibited.

INDIA.—Asafetida has been added to the list of articles which are exempt from the prohibition of exportation from British India, and which appear under the item of "Medical and surgical stores of every description, etc."

ITALY.—The Board of Trade are in receipt of information to the effect that the Sicilian Customs authorities have been authorised to allow the shipment of sulphur destined for the United Kingdom. In the case of sulphur shipped on steamers which will touch at intermediate neutral ports on their voyage a guarantee as to the actual destination of the sulphur must be obtained from the British Consul at the port of shipment, and the interested parties must also eventually produce to the Sicilian authorities a certificate of landing issued by the British Customs authorities at the port of destination.

NETHERLANDS.—By royal decree of May 27 exportation of sponges is prohibited. Henceforth articles made of vegetable fibres cannot be exported.

SWEDEN.—The following appear in the latest list of prohibited articles: Apricot, peach, plum kernels and nut-kernels, whole or broken up, including so-called "earth-nut almonds"; gums, natural, not specially mentioned in the Swedish Customs Tariff, including gamboge and other gum resins; hydrochloric acid; infants' food and other strengthening foods; sugar of milk; malt sugar; and malt extract (including that in hermetically sealed receptacles) and sugared goods.

Miscellaneous.

WALLACE JOSLING, who was for seven years with Mr. V. Woolls, chemist and druggist, Margate, was on board H.M.S. *Warrior* in the North Sea battle, and was saved.

LIEUT.-COLONEL D. H. WADE, of the Manchester Regiment (T.F.), who has just been promoted temporary Brigadier-General, is the only son of Mr. Mayall Wade, formerly in business as a chemist at Oldham.

MR. CYRIL T. HINES, a prizeman in our Corner for Students' competitions, including the recent analytical tournament, has joined the chemical section of the Royal Engineers. He is the only son of Mr. H. T. Hines, pharmacist, of the Express Developing Co.

PETROL CENSUS.—By order of the Board of Trade every person who uses or keeps motor-spirit is required to furnish a return as to his consumption, stock, and estimated requirements of motor-spirit. The return must be made on or before June 20, 1916, to the Secretary of the Petrol Control Committee at the Census of Production Office, B

68 Victoria Street, London, S.W. There are five forms of return. Form 2 is for medical practitioners, and they can be obtained (without payment) at any money order office in the United Kingdom.

BELGIAN DOCTORS' AND PHARMACISTS' RELIEF FUND.—At a meeting of the Central Committee on June 8, an acknowledgment was intimated of a cheque for 800*l.* sent by the Committee for distribution to medical men and pharmacists in Belgium. This sum was the first of three monthly donations of a like amount arranged for, and as money is urgently needed the Committee decided to continue sending these monthly grants for three more months. Professor H. G. Greenish was elected a member of the Committee, and will co-operate with Dr. Des Vœux in organising the consideration of individual cases of distress in Belgian pharmacists in this country. The total receipts of the Fund up to June 8 were 19,250*l.*

“BOOTS’ COMRADES IN KHAKI.”—With the issue of the twelfth number of this interesting publication Sir Jesse and Lady Boot announce its discontinuance, and remark in a prefatory note: “Although circumstances have made it necessary to suspend the publication of the magazine which has served as a messenger between us, our interest in everything relating to you is unaffected, and our solicitude for your welfare is as deep as ever. We shall still long anxiously to hear from you, and we will use the best means at our disposal to communicate with you, and, further, we shall wait proudly and patiently for that victorious issue our cause merits, and towards which you are even now so faithfully and successfully striving. Once again accept our warmest good wishes.” The editor (“W. W. B.”) also contributes a valedictory note, especially thanking Sir Jesse Boot for his help in the publication.

Military Tribunals’ Decisions.

The following is a selection of the cases of trade interest which have been heard since our last issue:

ABERYSTWYTH.—Conditional exemption was granted to Mr. S. D. Daughton, chemist and druggist, Aberystwyth.

BATH.—Conditional exemption was granted to Mr. F. E. Cooper, chemist and druggist (Tylee & Cooper), 7 Bridge Street; and to Mr. H. L. Bryant, chemist and druggist, manager to Bright & Pryke, Southgate Street.

BEDFORD.—Three months’ exemption was granted to Mr. A. G. Skerman, with Taylor, Brawn & Flood, Ltd.

BOSTON.—Exemption until August 1 was granted to Mr. J. R. Henderson, chemist and druggist, with Mr. E. A. Bailey. The Insurance Committee supported the application.

CHELTENHAM.—On June 9 it was stated at the Tribunal that the military authorities have agreed to the exemption of nine chemists so long as they continue to dispense medicine. Following this announcement, such cases as came before the Tribunal at this sitting were duly granted exemption.

COLCHESTER.—Conditional exemption was granted to Mr. A. F. Chambers, assistant to Alderman E. H. Barratt, Ph.C.

CREDITON.—Six months’ exemption was granted to Mr. A. E. Corrick, manager of the London dépôt of E. E. Jackson & Co., lozenge-makers.

DARTFORD.—On the application of Dr. H. A. D. Jowett, conditional exemption was granted to Mr. H. A. Sayers, works chemist with Burroughs Wellcome & Co.

GLASGOW.—The appeal for exemption of Mr. James Morrison Millar, chemist’s assistant, was considered on June 12. When the case came before the Court a week before, it was adjourned to enable the military authorities to see if the application came within the exemptions laid down by the National Health Commissioners. The Military Representative now stated that the appellant is an unqualified assistant twenty-two years of age, and his case does not come under the arrangement referred to. Appellant claimed exemption on conscientious grounds, chiefly religious, and Sheriff Gardner Millar remarked that there is not the slightest ground for this appeal, which was unanimously refused.

HULL.—Exemption has been granted to Mr. I. H. Birkin, manager, Taylor’s Drug Co., Ltd., 27 Market Place.

LAMBETH.—E. V. McCaul, motor mechanic, employed by Boots, Ltd., who was granted three months’ extension from February 29, applied for further time, and was allowed exemption until August 1.

LEEDS.—Consideration was given to cases for exemption submitted by Taylor’s Drug Co., Ltd. Mr. J. H. Armitage, representing the company, said the National Health Insurance Commissioners had decided that the company’s case is one which should be taken direct, and had asked for particulars. The Military Representative said he could not agree to the Insurance Commissioners or anybody else exempting young men of twenty-three and twenty-four who are in the list for military service, and he contended that

the matter should be dealt with by the local Tribunal, as had been done in the case of other chemists. Mr. Armitage said 112 of the company’s men had already joined the Forces, and 135 women had replaced them. The company has reached the absolute minimum of possibility of carrying on dispensing with qualified chemists. An offer to arrange for the cases to be dealt with *en bloc* if adjourned for a fortnight was not accepted, and the cases were taken individually, the decisions being deferred.

LONDON.—Three months’ exemption was granted to a young Scotsman who when war broke out was a wholesale druggist in Poland, but when the Germans entered he lost everything except the clothes he wore. For a time he worked for the Russian Red Cross, and on coming to London he joined a Russian merchant who is exporting war material to Russia.

OXFORD.—Mr. W. H. Pearson, chemist and druggist, director of the Oxford Drug Co., Ltd., applied for exemption. The case was adjourned for a month to enable the Military Representative to confer with the Insurance Committee.

READING.—Mr. J. O. Goss, chemist and druggist, dispenser at the Royal Berks Hospital, has obtained conditional exemption.

RHYL.—Four months’ exemption was granted to Mr. H. Leitchhead, assistant with Mr. P. J. Ashfield, pharmacist, Rhyll, on the grounds that Mr. Ashfield devotes every afternoon to the honorary work of V.A.D. pharmacist, charging only cost price for the drugs used, also that he dispenses and gives all the medicines to the Belgian Homes, and that if this assistant is not exempted he will have to give up all his public work. It was mentioned also that this winter Mr. Ashfield has raised over 200*l.* for war funds by means of entertainments.

SANDOWN.—Exemption was granted to Mr. G. E. Revill, the only remaining assistant with Mr. Frank Woollings, chemist and druggist. Mr. Woollings has two sons with the Forces, and the elder is a chemist and druggist.

SHEFFIELD.—A chemist’s warehouseman claimed exemption, and stated that he had a wife and three children dependent upon him. The Chairman, in disallowing the claim, remarked that is the ordinary position of most married men. In the same case the Military Representative objected to the methods adopted by Boots, Ltd., who first take their cases to the Nottingham Tribunal and then to the Army Council, instead of having them heard in Sheffield.

SOUTH MERTHAM.—Conditional exemption was granted to Mr. J. E. Walmsley, chemist and druggist.

SOUTHAMPTON.—Conditional exemption has been granted to Mr. A. H. French, dispenser at the Houndsditch Dispensary of the Board of Guardians.

SOUTHWARK.—Mr. Cyril J. C. Goodyear, who appealed for exemption, stated that he is a fully qualified chemist, and is endeavouring to teach his wife the business. He asked for time to accomplish this. He was granted six months’ exemption.

SOUTHWOLD.—Conditional exemption was granted to Mr. A. E. Sawyer, chemist and druggist, who is required to join the Volunteer Training Corps.

TUNBRIDGE WELLS.—Conditional exemption has been granted to the following: Mr. G. Hartley, chemist and druggist, manager for Miller & Co., 42 Mount Ephraim; Mr. A. S. W. Pearmund, 17 Calverley Road; Mr. F. Gallop, chemist and druggist, 53 St. John’s Road.

WORCESTER.—Conditional exemption was granted to A. T. Willis and C. J. Gyse, engaged in Insurance dispensing with Mr. A. E. Coverdale, Ph.C.

Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

Mr. S. A. Keane, registered druggist, late of D. Smithwick & Co., Kilkenny, has purchased the business of Dr. Ryan, Kilkenny, and is starting business on his own behalf in the same town. [Correction.]

A farmer, named White, was fined 7*s.* 6*d.*, and costs, for an assault on the fourteen-year-old son of Mr. W. S. Taylor, chemist, Enniskillen, who, after bathing in the river with two companions, was alleged to have trampled down the grass in defendant’s meadow.

At the monthly meeting of the Banbridge Urban Council, Dr. Martin, medical officer of health, in his half-yearly report to the Local Government Board, referred to the drinking of methylated spirits in the town. He attributed it to the increased price of whisky. It was decided to communicate with the Local Government Board.

English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Growing Belladonna.

The "Daily Mail" of June 10 told how Mr. J. Beetham Wilson, pharmacist, 95 High Street, Dorking, is endeavouring to meet the short supplies of belladonna, owing to German-grown drugs having been cut off. Directly the war began Mr. Wilson made experimental plantings and sowings of locally obtained wild roots and their seeds, and has now over 3,000 belladonna-plants in three separate plots. They grow very slowly, and Mr. Wilson considers that they do not become commercially profitable for four years. Some that he has had in the ground since September 1914 are still only a few inches high, but he says when the crops are established there is little hard labour, and belladonna-growing would be an ideal "old man's occupation."

[Writing to the same paper a correspondent says: "We have been informed that the Germans have very large reserve stocks of dried medicinal herbs now ready in order to flood our market the moment the war ends, even the labels printed 'Prepared in England'; so that it is our duty to bestir ourselves and raise large stocks on our own account at once, so that we can do our own dumping and fight them on their own ground. We must be prepared for them and settle this trade question now, before it is too late." This statement does not tally with the reports we have received of the care exercised by Germany in conserving her stock of drugs, while Austria-Hungary is very short of supplies of them. Nevertheless, we agree that everything possible should be done here; the disposition to wait until the war is over is rather strong. Mr. Beetham Wilson informs us that he has received more than 200 inquiries about the matter. We expect to print an interesting statement by him in an early issue.—Editor C. & D.]

Birmingham.

Dental mechanics are very scarce, and the price of work done has gone up greatly.

Southall Bros. & Barclay 1*l.* shares are to-day worth 45*s.*, and sellers will part at 45*s.* 6*d.*

Whit-Monday was observed as a semi-holiday. Works began, but finished at noon. Shopkeepers did not benefit much by opening.

The exterior window-blinds of shops are usually deadly similar, but one shop in New Street has adopted a distinctly new style—a transparent green—which greatly improves the shop, and, in addition, offers a subdued light and tone for the observer.

Birmingham is the home of many commercial travellers, owing to its central situation. Many of these ambassadors of commerce, having been called to the Colours, have secured a respite in order to initiate their wives or others to do their rounds, with the consent of their employers.

Coventry is having a very prosperous time, and a walk round the town shows that the traders, including pharmacists, are doing good business. The pharmacists have all smiling faces, and have no real trouble beyond loss of assistants, high price of merchandise, and difficulty of its transit.

Great activity is exercised in the herb-growing industry to find where any are growing in great quantity. One gentleman secured a crop of belladonna weighing tons. It was the root he wanted. Belladonna grows luxuriously at Wren's Nest, Dudley, and Arley, near Bewdley, Worcestershire. It is believed to have been planted many years ago by the monks, for a monastery once stood where the belladonna grows. The University of Birmingham is also interesting itself in the matter through its professors. The price paid for gathering foxglove-leaves is 3*lb.* for 1*l.*, and belladonna-root from 25*s.* to 30*s.* per cwt.

Liverpool.

For exporting 240*lb.* of opium, valued at 250*l.*, which was found concealed in a ship's bulkhead, two of the vessel's Chinese firemen were sentenced to three months' hard labour.

Mr. A. Williamson, pharmacist, who has been with Mr. Stephen Jones, Tranmere, Birkenhead, is opening on his own account a pharmacy in a new shop in Borough Road, Prenton, a suburb of Birkenhead.

Evans Sons Lescher & Webb, Ltd., have completed the remodelling of their Hanover Street saleroom. Among the nice things shown are glass bottles (for pharmacists' shelves) bearing imperishable labels. The labels are coated with glass, and so can be dusted without deterioration.

Counterfeit 5*s.* pieces are in circulation, and need care in detection even by chemists and druggists who have

ammonia and caustic pencils at hand. A local bank had accepted two of the spurious coins before discovering their baseness.

The Treasury notes are being offered, with increasing frequency, for very small purchases, and the problem of giving change becomes vexatious. It is suggested that the branch post-offices should allot a counter for changing 1*l.* and 10*s.* notes. No tradesmen are worried in the same degree as pharmacists.

"Take stock periodically" is the advice of a central pharmacist. He has taken stock after a long interval, and has surprised himself by discovering considerable packages of non-perishable goods which he had forgotten and that command a ready sale. "More stocktaking and more window-dressing" will be his motto.

Perhaps it is due to the dearth of doctors, but certainly pharmacists are being taxed in giving advice (free, gratis, of course) to recruits at the request of their fathers. The counsel tendered is salutary, commonsense, preventive, and practical. Signs of appreciation are numerous, and if the hints be taken grave dangers will be avoided.

Sheffield.

Wm. Fox & Sons, 8 Castle Street, have opened a branch on Attercliffe Road.

Mr. J. T. Appleton, before the Insurance Committee, expressed gratification at the interview in London so far as the chemists were concerned. There was every likelihood, he believed, that the chemists will receive full payment for 1915, if, indeed, they do not get it for 1914.

Since the duty has been charged on mineral waters hospitals are considering the question of installing plant to manufacture their own aerated waters, thus avoiding the duty. Plant-manufacturers are not missing the point, and as hospitals are among the largest syphon customers of chemist manufacturers the latter are losing by it.

Miscellaneous.

WREXHAM CHEMISTS AND DRUGGISTS have adopted the dinner-hour closing on Mondays, Tuesdays, and Fridays.

TENDERS.—Cranbrook Board of Guardians has accepted the tender of A. J. Gray, pharmacist, Hawkhurst, for medical appliances.

MR. HAROLD F. BELL, I.C.S., son of the late Frederick R. Bell, chemist, Swaffham, Norfolk, has been killed in India by a tiger. He was forty.

SPT. AETHER. NIT.—At Oakham on June 5, a summons against John W. Smith, Whissendine, for selling deficient sweet nitre, was dismissed on payment of the costs.

"ANZAC" AS TRADE-MARK.—The Registrar of Trade-marks gives notice in the "Trade-marks Journal" that applications for the registration of trade-marks consisting of or embodying the word "Anzac" will in future be refused.

THE BOLTON GUARDIANS have appointed Miss Gladys N. C. Orchard, of Darlington, as dispenser at the Townleys (Poor-Law) Military Hospital, at a salary of 80*l.* per annum, increasing after one year's service to a maximum of 100*l.* per annum, with rations and apartments.

POISON-LICENCES GRANTED AND APPLIED FOR.—Licences have been granted to Mrs. M. E. Frampton and H. S. Frampton, 30 and 31 Jewry Street, Winchester; Wm. Jeffery, St. Peter Street, Winchester; and J. Brooke, Elvet Bridge, Durham. F. G. Clarke, 9 Queen's Road, Nuneaton, has applied for a licence to sell agricultural and horticultural poisons.

A LOST FINGER.—At the Leeds County Court, before Judge Greenhow on June 7, Harris Royall, confectioner and spice-merchant, claimed 100*l.* damages from Lewis Rosenberg, of the Provincial Pharmacy, Camp Road, Leeds, for the loss of a finger owing to the defendant's alleged negligence and want of skill in treating him. The hearing was adjourned.

IMPERIAL INSTITUTE EXECUTIVE COUNCIL.—This body has been appointed under the new Act. It contains representatives of the Board of Trade, India Departments, Board of Agriculture, Canada, Australia, South Africa, New Zealand, and the Colonial Office. Professor Wyndham R. Dunstan, C.M.G., Director of the Institute, is on it. "The Times" published on June 15 an appreciation of the Institute as it is to be under the new management.

EXPORTING SODA AND BLEACH.—At the Thames Police Court, London, on June 10, thirteen Dutch seamen were each fined 5*l.*, with the alternative of a month's imprisonment, for attempting to export sodium carbonate and bleaching-powder, the quantities being 126*lb.* and 260*lb.* respectively. These articles are practically unobtainable in Holland, and enormous profits would have been made. A large number of similar cases are pending.

HENRY PERCY JELLEY, L.M.S.S.A., 174 High Street, Homerton, N.E., known as "Hackney's Threepenny Doctor," was arrested on Saturday, June 10, on the charge of performing an illegal operation on Mrs. Elizabeth C. Marsh, Stoke Newington. As it was feared that she might die, Mr. d'Eyncourt, Magistrate, North London Police Court, took her deposition at the infirmary in Mr. Jolley's presence, who has been remanded in custody.

THE WEATHER.—W. Pilkington & Son, chemists, Buxton, who have for sixteen years been honorary meteorologists for the Borough of Buxton, have recently published an interesting card entitled "Some Cloud Forms," with illustrations of the cumulus nimbus, cirrus, cirro-cumulus stratus, and other cloud formations. The back of the card contains hints as to prospective weather. The firm have also produced a matchbox-holder bearing the following weather omens:

Fine Weather follows	Wet Weather.
Slow rise in barom.	Slow fall of pressure.
High thready and still clouds.	Med. fall of press. and temp.
Small and shapely fleecy clouds.	Rapid fall=wind and rain.
And during N. to N.E. winds.	Rapid fall with W. wind=violent storm.
	Inky clouds.
	Agitated thready clouds.
	Dense rolling woolly clouds.

ARMY COUNCIL ORDER AND POISONS.—Walter J. Chisholm (24), a wounded private of the 1st Cameronians, was at the Westminster Police Court, on June 13, remanded on a charge of causing wilful damage at the premises of Timmis & Richards, chemists, 432 King's Road, Chelsea. The evidence was to the effect that the prisoner asked for $2\frac{1}{2}$ grains of morphia, and the assistant explained that an Army Council Order requires a doctor's prescription to be produced by soldiers. Prisoner said he had one, but did not produce it, and overturned a glass case, breaking much of its contents. The Magistrate (Mr. Horace Smith) said this might be the effect of drugs, and the remand was to get a medical report.

Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

Mr. Andrew Dargie, B.Sc., Dundee, has been appointed agricultural analyst for Forfarshire in place of the late G. D. Macdougald.

Popular brands of health salts are now selling at 6d., 7d., and $8\frac{1}{2}$ d. per tin, but the money is there, and customers take a philosophical view of increased prices so long as they get the "quality."

At the Fife and Kinross Appeal Tribunal last week the Chairman of a glass-blowing establishment in Kinghorn said they were extending their premises, at a cost of 13,000*l.*, so that they might produce articles that formerly were made in Germany.

In Dundee and Perth the police authorities are complaining that methylated-spirit drinking is on the increase. At Dundee the Chief Constable said "respectable chemists" make the spirit nauseous, and at Perth the Magistrates hoped that chemists and others will refuse to sell methylated spirit in cases where they have a suspicion that it is to be used for drinking-purposes.

Glasgow and the West.

At the coast chemists are showing bathing-eaps, water-wings, bath gloves and brushes, with a plentiful supply of soaps and toilet-luxuries.

The Glasgow Military Representatives do not desire to take from his responsible employment any qualified chemist who is in full charge of a branch business. This intimation has enabled the Insurance and Pharmaceutical Committees to work harmoniously. It is understood that 50 per cent. of drug-trade men in Scotland have joined the Colours.

At a meeting of the Senate of the Glasgow University the Principal (Sir Donald MacAlister) obtained authority to make additions to the equipment of the Queen Margaret College, especially for students of medicine, the number of whom has increased so greatly that accommodation for anatomy and chemistry is already overflowed. The number of women students of medicine has doubled.

Edinburgh and District.

It is safe to say that many local chemists will be unable to enjoy their usual terms of freedom from business cares for a few weeks this summer. Locums were never scarcer.

Eighteen members of the crew of the Dutch steamer *Amstelstroom* have at Leith been fined from 1*l.* to 5*l.* for smuggling carbonate of soda and bleaching-powders, exportation of which is prohibited. The chemicals were forfeited.

Many English working-class families seem to have settled in Edinburgh. Oil of swallows, green treat, and mixtures of syrup of violets, squills, and almond oil are popular demands. They cannot understand, however, why chemists do not stock boxes of starch, household soap, etc.

"The Scotsman" describes the new catgut-industry in Edinburgh, which has been started by Mr. G. F. Merson, Ph.C., F.C.S. "The sterile ligatures are manufactured in Edinburgh from start to finish," says our contemporary, and the products are reported on by the Director of the Royal College of Physicians' Laboratory.

The late Claude F. Henry's death came as a surprise to most chemists, though it was known that he had been in frail health for years. Mr. Henry might be described best as a good man—in the truest sense—who never attempted to convey the impression that he was a good man. In spite of his fragile constitution, he was a man to work. A friend many years Mr. Henry's junior once told the writer that he felt appalled—that was the word he used—when he saw Mr. Henry labouring among a pile of N.H.I. prescriptions. Scottish pharmacy is the poorer in losing one who laboured almost to the end.

Mr. William P. Wilson, chemist and druggist, Haddington, has been appointed by Sheriff Maconochie an Hon. Sheriff-Substitute for the county. Mr. Wilson is a member of the Executive of the North British Branch of the Pharmaceutical Society, and succeeded in business at 36 High Street, Haddington, the late James Watt, who was a member of the Pharmaceutical Council. The honour conferred upon Mr. Wilson is so rarely bestowed on a pharmacist that it must be considered an honour to pharmacy as well as to him. He has often attended B.P.C. meetings, and this week, after attending the N.B. Branch Executive meeting, went up to Loch Garry for some trout-fishing. He is well known to many in the trade, and his appointment as Hon. Sheriff-Substitute gives general satisfaction.



MR. W. P. WILSON.

India and the East.

(From the "C. & D." Correspondents.)

POTASH DEPOSITS.—The possibility of profitably exploiting the Indian sources of potash at Fhewra and Nurpur, in the Punjab Salt Range, is engaging the attention of the Government of India.

ENEMY CHEMICALS.—A fine of \$1,000 was inflicted on Mohamed Ashibi, of Singapore, for having imported aniline hydrochloride of enemy origin *via* Java. A false declaration as to the goods had been made.

A DISPUTED QUININE-CONTRACT.—At Bombay on May 18, Chunilal Dayabhai, a chemist and druggist, of Samset Street, sued Butto Kristo Paul & Co., chemists and druggists, Calcutta, to recover Rs. 1,125 for failure to deliver 1,500 oz. Howards' quinine, being a portion of 2,500 oz. sold by the defendants to the plaintiff at Rs. 1.12 per oz. The plaintiff's case was that the contract of sale had been made by a wire of November 4, 1915, from the defendants to the plaintiff reserving 2,500 oz. of quinine at Rs. 1.12 per oz., and a wire of even date from the plaintiff to the defendants asking them to despatch 2,500 oz. The defendants contended that no contract had been brought about by these wires; but the Chief Judge decided otherwise, and held that the defendants were bound to compensate the plaintiff for the damage sustained, which was assessed at Rs. 890.10.

NORTH LONDON PHARMACISTS' ASSOCIATION.—The annual outing of the North London Association will take place on Thursday, June 29, and will take the form of a river trip from Kingston to Chertsey and back, disembarking at Chertsey for a meat tea. The trip is in conjunction with the Ural Lodge of Pharmacy and the St. Vincent Association. Tickets (6s. each inclusive) from Mr. Herbert Skinner, G.N.C. Hospital, Holloway Road, N.

South African News.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

Cape Province.

MR. ALEX. PIRIE, chemist, Observatory, Cape Town, is proceeding on holiday to England. He leaves by the *Galway Castle* about June 24.

BUSINESS here, writes our correspondent, is not quite so brisk as it was. Prices are anyhow, and, needless to say, rule very high. Daily we get notices of advances in price. Sod. salicyl. this week is 48s. per lb., and acetosal 7s. 6d. per oz. The volume of business that a chemist might be doing is probably as much as at any time, but the profit must be very much less, as the prices paid for most lines are out of all proportion to pre-war times.

PHARMACEUTICAL SOCIETY.—A Council-meeting was held in the Society's room in the S.A. Mutual Building, Darling Street, Cape Town, on May 18, the Vice-President (Mr. J. Sloan) in the chair. A letter was read from the President (Mr. W. Aitken), thanking the Council for the expression of sympathy, and for the suggestion that he should take six months' leave of absence. Knowing, however, that the Society had a very strenuous time ahead, and it was necessary that the President should be available at all times, he asked that his resignation be allowed to stand. The Council accepted the resignation with regret. Mr. Sloan was then elected President, and Mr. D. L. Petrie was elected Vice-President. Mr. Asher was co-opted a member of the Council, in place of Mr. Aitken. Mr. J. H. Newlan and Mr. A. C. Cook were elected Associate members.

INSECT-TESTS.—Under the auspices of the Pharmaceutical Society, Mr. C. W. Mally, M.Sc., Government entomologist, delivered a lecture on "South African Insects and How to Fight them." Mr. F. B. Smith was in the chair, and the lecture was a great success from all points of view. The Society is to be congratulated on this commencement of the winter session. A feature of the evening's entertainment was a display of insecticides, chemicals, etc., the following being the firms who exhibited: Findlay & Co., Ltd., spray-pumps and accessories; Jelks & Co., scaleicide preparations; Cohen & Tyfield, Ltd., and Distributors, Ltd., lime and sulphur exhibits; Hermon Piquetberg Lime Co., Ltd., lime; Petersen, Ltd., chemicals used as insecticides; Pearson, Ltd., disinfectants, Hycol; Robinson Bros., apparatus for white-ant destruction; Snowden's Ant-exit; Ferguson's new patent fumigator for mealy bug and scale insects; and Garlick's Store, mosquito-netting. The lecture is to be printed in pamphlet-form. Owing to pressure of bacteriological work in Durban, Mr. Severn's lecture has been postponed.

O.F.S. Medical and Pharmacy Council.

THE monthly meeting of the Medical and Pharmacy Council was held on May 12. The following were present: Colonel S. M. de Kock, S.A.M.C., in the chair; also Drs. Friedmann, Holmes, and Johnson, Mr. Whiteside (dental member), and Messrs. Greenwood, Hewitt, and Rawling (pharmaceutical members). Mr. Sydney Ralph Noyes (chemist and druggist, Great Britain, 1913) was registered as a chemist and druggist. A letter was read from Dr. Rindl asking if the Council could afford him any information as to the medicinal properties of the mineral-springs of South Africa, in connection with which he is collecting statistics. Members were asked to furnish any information they had on the matter. The following motion by Mr. Hewitt was then taken:

That this Council desires to recommend to the Government that steps should be taken immediately to amend the Defence Act, so as to allow of pharmacists qualifying for commissions as lieutenant-pharmacists.

Mr. Hewitt referred to the anomalous position of pharmacists in the S.A.M.C., where they are debarred from obtaining commissions owing to the defective drafting of the Act. He told what is done in Canada and Australia. Mr. Rawling seconded the motion, and emphasised the undemocratic character of the present arrangements and the benefit which would accrue to pharmacy throughout South Africa by the suggested alteration. Drs. Johnson, Holmes, and Friedmann spoke in support of the motion. Colonel de Kock (the Chairman) said he was strongly in favour,

however, of the principle of the motion, and suggested the following amendment:

That this Council is of opinion that it would be desirable in the interests of the Defence Force in general, and of the S.A.M.C. in particular, that arrangements should be made as early as possible to enable pharmacists to obtain commissioned rank.

Dr. Holmes seconded this amendment. Mr. Hewitt withdrew his motion in favour of Colonel de Kock's, which was carried.

Australasian News.

"The Chemist and Druggist" is supplied weekly to all the members of eight Chemists' Societies in Australia and New Zealand.

New South Wales.

PHARMACY EXAMINATIONS.—The Pharmacy Board on April 11 received an intimation that the Sydney University has decided to adopt the Pharmacy Board suggestions regarding examinations as follows:

1. That when a pharmacy student has failed to pass in one of the subjects, chemistry, botany, or *materia medica*, and is not much below the pass line in that subject, he may still be allowed to get through if his marks in the other subjects are somewhat above the line.

2. That apart from No. 1, the examiners might be prepared, for the duration of the war only, to allow a lowering of the pass standard in all subjects.

HOSPITAL SUPPLIES.—Following the example of Melbourne, a number of the Sydney hospitals have combined for the purpose of contracting for the supplies of drugs: The Sydney, Royal Prince Alfred, Royal Alexandra, Renwick Hospital for Infants, Royal Hospital for Women, Royal North Shore, Western Suburbs Cottage, Marrickville Cottage, and St. George's Cottage Hospital. Tenders are being invited for the supply of the quantities of the various drugs, etc., required jointly by the hospitals, in England, America, and Sydney. The gross cost is to be communicated by cable from both countries on a certain date, when local tenders will also be received from the manufacturers or their agents direct.

New Zealand.

THE NEW ZEALAND REGISTER contains the names of 501 pharmaceutical chemists, of whom 315 are resident in New Zealand.

MR. J. M. JEFFERSON has been elected President of the Northern Pharmaceutical Association of New Zealand. Mr. Jefferson is a chemist and druggist of Great Britain, and has been in business at Torquay. He is now at Auckland.

Queensland.

NURSERY POMADES.—The Department of Public Health of Queensland hold that veratrine is objectionable in nursery pomades, which may be applied when the skin is broken. Such preparations will be classed as adulterated articles within the meaning of Section 90 (1) of the Health Acts, 1900-11, and cannot lawfully be offered for sale in Queensland.

South Australia.

MR. T. M. YOUNG has been appointed Registrar of the Pharmacy Board and Secretary of the Pharmaceutical Society, in succession to his father.

Victoria.

FOOD AND DRUG REGULATIONS.—Interstate Departmental Conferences were held in 1910 and 1913 for the purpose of promoting uniform standards for food and drugs in the various States of the Commonwealth. A Royal Commission also reported in 1913 on the same matter. Since then each State has issued regulations mainly on the lines of the recommendations of the Conferences and Commission. Those for Victoria were gazetted on April 19, and came into force on May 1. In regard to proprietary medicines, the provisions requiring declaration of composition have not been embodied in the regulations. The Chairman of the Board of Health recently informed the Pharmaceutical Society that the clause giving the option of depositing formulae of proprietary medicines had been deferred pending the establishment of the necessary administrative machinery to enable it to be carried into effect.

"THE CHEMIST'S DICTIONARY OF SYNONYMS AND TRADE NAMES."—Contains 220 pages. Price 2s. 6d. net. by post 2s. 8d., from the C. & D. Book Department, 42 Cannon Street, London, E.C., or leading wholesale houses.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

GENERAL SURGICAL CO., LTD. (P.C.)—Capital 5,000*l.* Objects: Dealers in surgical instruments and goods, etc. The subscribers and first directors are Alfred Goldschmidt and Augustus Schmerl, 147 Farringdon Road, London.

NITROGEN RECOVERY CO., LTD. (P.C.)—Capital 1,000*l.* Objects: To carry on the business of chemists, druggists, etc., importers and manufacturers of and dealers in pharmaceutical, medicinal, chemical, and other preparations, etc. The first directors are J. Menzies and P. G. Harris, R.O., 25 Victoria Street, S.W.

R. M. WILLIAMS, LTD. (P.C.)—Capital 1,000*l.* Objects: To take over the business of chemists, druggists, opticians, and medicated-wine dealers carried on at 51 Cross Street, Abergavenny (Mon.), as "R. M. Williams," and to adopt an agreement with J. Meredith. The subscribers and first directors are J. Meredith, R. M. Williams, and J. E. Meredith.

CORBYN MANUFACTURING CO., LTD. (P.C.)—Capital 14,000*l.* Objects: To acquire and deal with any secret or other process for the manufacture of pharmaceutical, medicinal, or other preparation or article or any interest therein, and to adopt an agreement with Corbyne, Stacey & Co., Ltd., with a view to the development of the manufacturing portion of their business. The subscribers are T. J. Bowles, Forest Gate, and W. Eacott, 118 Addison Gardens, W.R.O., 70A Basinghall Street, E.C.

MEDICAL HALL, LTD., SINGAPORE.—Particulars and conditions of sale of the Medical Hall, Ltd., which is being wound up under the Alien Enemies Winding-up Ordinance, have been issued by the liquidator, who invites offers for the purchase of the business as a going concern.

BRUNNER, MOND & CO., LTD.—Sir John Brunner, Bart., presided at the annual meeting of the shareholders in Liverpool on June 9, and congratulated them on the net profits for the year exceeding one million sterling. He explained the arrangement which has been made with the Ammonia Soda Co., Ltd., adding that that company has existed for seven years, but has never paid a penny dividend on its ordinary shares. He said that it cannot last much longer. He moved that dividends of 7 per cent. on the preference shares and 27*½* per cent. on the ordinary be paid. Sir Alfred Mond, Bart., seconded, and mentioned the interesting fact that B. M. & Co.'s profits are larger than those of the German premier chemical company, the Badische Anilin- und Soda-Fabrik. Mr. J. F. L. Brunner, M.P., Mr. F. W. Brock, Mr. Robert Mond, and Mr. Armand Solvay were reappointed directors.—Subsequently an extraordinary general meeting was held at which it was agreed to amend the company's articles of association so as to provide that the directors shall issue out of the unissued capital 200,000 ordinary shares of 1*l.* each to the Castner-Kellner Alkali Co., Ltd., carrying the right and subject to the restrictions provided for by an agreement between the two companies made on May 18; also to insert an additional article as to the conditions of appointment of directors upon any agreement or arrangement for co-operation with any other firm, etc., being entered into.

Deed of Arrangement.

HILL, GILBERT, trading as Gilbert Hill & Co., 319 King's Road, Chelsea, and residing at 13 Kingsway, Mortlake, chemist Trustee, P. S. Booth, 32 Kimberley House, Holborn Viaduct, E.C. Liabilities unsecured, 220*l.*; estimated net assets, 220*l.* Dated, June 7; filed June 9. The trade creditors are: A. Berton, Ltd., 10*l.*; The British Drug Houses, Ltd., 25*l.*; Corbyne, Stacey & Co., Ltd., 11*l.*

Private Arrangements.

DAVID MOYES, 148 Gallowgate, Glasgow.—At a meeting of the creditors on June 2, the statement submitted showed liabilities 356*l.* 1*s.* 2*d.* and assets valued at 219*l.* 11*s.* 3*d.* net. The creditors accepted the debtor's offer of 12*s.* 6*d.* in the pound, payable as to 10*s.* in cash and 2*s.* 6*d.* at the end of three months. The creditors include: Cockburn & Co., Ltd., 75*l.*; Raimes, Clark & Co., Ltd., 60*l.*; J. & D. Macnair & Co., 25*l.*; Crown Capsule Co., 20*l.*; and the Erasmic Co., Ltd., 5*l.*

JOHN CULSHAW, 41 Penny Lane, Wavertree, Liverpool, Chemist and Druggist.—As Mr. Culshaw may be called up for the Army, and for other reasons, it has been decided that he should execute a deed of assignment for the benefit of his creditors, and the business is to be carried on for six weeks or so with a view to its sale as a going concern. The liabilities are 275*l.* 4*s.* and assets 69*l.* 17*s.* 7*d.* The creditors include: Ayrton, Saunders & Co., Ltd., 66*l.*; and R. Sumner & Co., Ltd., 35*l.*

Gazette.

Bankruptcy Acts.

RECEIVING ORDER.

GREER, BESSIE, lately at Sunnymede, Castledine Street, Quorn, medicine-vendor.

ADJUDICATION ANNULLED.

HENNING, ALBERT, formerly 57 Guilford Street, Russell Square, London, and now Fernlea, Holly Bush Hill, Highstone, Snaresbrook, Essex, chemical-manufacturer. [Grounds: The Court being satisfied that all the debts have been paid in full.]

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1916, p. 365.

(From the "Trade-marks Journal," May 24, 1916.)

- "AQUATITE" and "AQUALITE"; for indiarubber and gutta-percha goods (40). By Cohen & Wilks, 44 Derby Street, Cheetham, Manchester. 372,190/197. (Associated.)
- "SIMONA"; for baking-powder, etc. (42). By H. Simmonds, 224 Kentish Town Road, N.W. 372,027.
- Shield device with words "S.P.C. BRAND," etc. ("S.P.C." disclaimed); for Spanish olive oil (42). By Spanish Produce Co., 5 Thomas Street, Liverpool. 371,827.
- "PONNO"; for infants' and invalids' foods (42). By Stoerhers, Ltd., Albion Works, Atherton. 372,143.
- "LEMDAWS"; for lemon table-water (44). By the Direct Supply Aerated-water Co., Ltd., 135 Fulham Palace Road, W. 372,415.
- "BOB-O-LINK" and picture of bird; for goods (47). By Lever Bros., Ltd., Port Sunlight. 371,890.
- "FORM FOURS"; for all goods (47 and 48). By T. & H. Sowerby, Verney Road, Rotherhithe, S.E. 372,454/5.
- Facsimile signature "A. CARRERAS"; for all goods (48). By A. Carreras, Holly Bush, Shiplake-on-Thames. 372,397.
- "TRICOL"; for polishes (50). By the Sussex Packing Co., Shoreham. 371,550.
- "WONDER-MIST"; for polishes (50). By the J. B. Auto-Specialities Co., 4 Hedgis Yard, Croydon. 372,043. (Associated.)
- "CONQUEROR"; for hair-combs (50). By the North British Rubber Co., Ltd., Edinburgh. 372,254.

(From the "Trade-marks Journal," May 31, 1916.)

- "CANDELL"; for a chemical for indelibly marking metal. By Philip Mills, Collingdon Road, Cardiff. 370,897.
- "WELLINGTON" and picture of bottle; for photographic chemicals (1). By Wellington & Ward, Elstree, Herts. 372,091. (Associated.)
- "THERMINE"; for a medicinal pastille (3). By H. Roberts, 3 High Road, Willesden Green, N.W. 371,524.
- Device of letters "W B"; for medicinal chemicals (3). By Warwick Bros., Ltd., 6 Nile Street, N. 372,584.
- "RHYTHMOSSTAT"; for curative electrical appliances (11). By Woodward Saxon & Co., 99A Northgate, Basford, Nottingham. 372,361.
- "BOLMAT"; for an air-bed (40). By Thresher & Glenny, 152 Strand, W.C. 372,667.
- Ribbon device bearing shield and words "ROSS'S BELFAST SODA-WATER"; for aerated waters (44). By W. A. Ross & Sons, Ltd., Belfast. 371,340. (Associated.)
- "GLEN"; for soap (48). By G. W. Goodwin & Son, Manchester. 369,134. (Associated.)
- "NON-STOP"; for all goods (48). By A. Carreras, Holly Bush, Shiplake-on-Thames. 372,401.
- "ELTRA"; for impregnated polishing-cloths (50). By J. Green, 178 High Road, Kilburn, N.W. 372,215.
- "DIADEM"; for goods (50). By Gimson & Co. (Leicester), Ltd., Vulcan Road, Leicester. 372,364.

Trade Notes.

CARDBOARD BOXES.—A special offer of white-enamel cardboard boxes is made in the advertisement of O. Co., 11 Southampton Row, London, E.C.

EPSOM SALT.—Quotations are given for pure and commercial qualities of Epsom salt in the advertisement in this issue of Becker, Shillan & Co., 40 Eastcheap, London, E.C.

VEN-YUSA.—C. E. Fulford, Ltd., Carlton Hill, Leeds, ask chemists to take advantage of the advertising-campaign which is now in progress by giving window-shows of Ven-Yusa cream and toilet-soap. A rebate on prices is made for window-displays.

BISMUTHATED MAGNESIA.—Wigglesworth & Co., Westhoughton, Lancs, specialise in bismuthated magnesia, both in powder and tablet form. As an indigestion-remedy these preparations are at present enjoying a good reputation, of which chemists should take advantage.

CUPOTEA is the name given by Lloyd's, 60 Tennyson Road, Small Heath, Birmingham, to tablets of tea, sugar, and milk for the extemporaneous preparation of a cup of tea. The firm's advertisement in this issue gives trade terms and particulars of the new showcard which is supplied to dealers.

F.I.S.A.C. are the letters used by Fellows of the Incorporated Society of Advertising Consultants. F. A. Degen, an original Fellow and member of the Council, is often asked about the matter, and we may explain that the Society is trying to do for advertising what the Institute of Chemistry is doing for that science.

Rose's LIME-JUICE and its cordial are popular throughout the British Empire. The manufacturers, L. Rose & Co., Ltd., 89 Worship Street, London, E.C., and Dominica, B.W.I., call the special attention of the trade to the new prices and allowances which they advertise in this issue. The allowances are given on empty bottles for the reason stated. It is of peculiar interest to retailers that the table-waters duties do not apply to such preparations as Rose's.

A DICTIONARY OF ESSENTIAL OILS constitutes the special number of the "Perfumery and Essential Oil Record," edited by Mr. John C. Umney, F.C.S., which is published this week at 1s. 6d. It is arranged according to the alphabetical names, which are supplemented by columns dealing with habitat, part used, percentage yield, specific gravity, optical rotation, and chief constituents of the oils, with bibliographic references and an index of common and local names. It is clever and excellent.

NEWFOUNDLAND COD-LIVER OIL.—Mr. W. A. Munn, St. John's Newfoundland (agents: C. Lane & Sons, 78 Idol Lane, London, E.C.), who is known as the pioneer in the manufacture on a large scale of cod-liver oil in the British Empire, is, owing to the scarcity of cod-liver oil, making special efforts to increase the production of Newfoundland cod-liver oil. With a view to maintaining the reputation of oil produced in the Dependency, the Legislature has passed an Act placing the refining of cod-liver oil under the control of the Minister of Marine and Fisheries. All refiners will require to take out licences, and these are not to be granted unless the refineries come up to the standard which is necessary for the production of first-class oil. The Government has also previously taken special steps to ensure that the best expert advice was placed freely at the disposal of the fishers. It may be taken, therefore, that cod-liver oil bearing the designation "Newfoundland" is of guaranteed quality, and can confidently be recommended for medicinal use.

"TRENCHMAN" BODY-BELT.—This product from the factory of May, Roberts & Co., Ltd., is a daintily made article for preventing body parasites. The belt portion is 27 in. long by 3 in. wide, and at each end is a tape 15 in. long for tying, as shown in the illustration. The belt itself is nice and soft, and securely enclosed in it is an effective compound of materials which have

been proved to be the most efficacious for driving off parasites. The compound is vaporisable, so that the heat of the body suffices to clothe it, so to speak, with a vapour of the material. The belt retails at 1s., and is excellent value for the money. It can be obtained either from 7-11 Clerkenwell Road, London, E.C., or from 16 Westmoreland Street, Dublin.



Births.

Authenticated notices are inserted without charge.

ALEXANDER.—At 91 High Street, Strichen, Aberdeenshire, on June 8, the wife of Robert Alexander, chemist and druggist, of a daughter.

ALLEN.—At 14 Ilton Road, Kilburn, on June 8, the wife of C. T. Allen, Ph.C., of a son.

Marriages.

Authenticated notices are inserted without charge.

CURTIS—PALMER.—At Emmanuel Church, Carshalton, on May 31, Archibald Robert Curtis, chemist and druggist, son of Mr. F. G. Curtis, Ph.C., Folkestone, to Constance Winifred, younger daughter of Mr. and Mrs. C. Alan Palmer, Llanrwst, Salisbury Road, Carshalton, Surrey.

McARTHUR—WILLERS.—At Kandy, Ceylon, on April 26, Charles John William McArthur, chemist and druggist, Rothes, Morayshire, to Elvera Elizabeth, only daughter of Mr. S. Willers, Cambridge, England.

WILSON—DULLER.—At Queen Street Congregational Church, Hitchin, on June 7, Private Bertran Wilson, R.A.M.C. (late dispenser with Perks & Llewellyn, chemists and druggists, Hitchin), to Edith, eldest daughter of Mr. J. Duller, Hitchin.

Deaths.

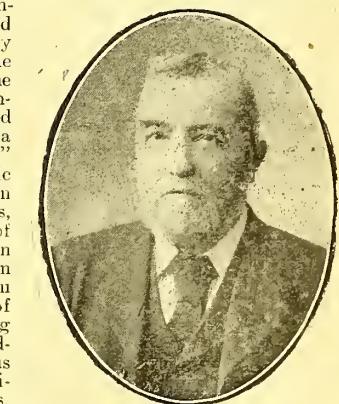
Authenticated notices are inserted without charge.

BABTIE.—At Dunbritton House, Dumbarton, on June 6, Mr. John Babtie, J.P., Ph.C., aged eighty-one. Mr. Babtie was a native of Dumbarton, and was educated in the Burgh Academy there, after which he was apprenticed to the late J. F. Harvey, Dumbarton, and succeeded to the business "at a perilously early age," he once remarked. He took little interest in pharmaceutical affairs, but he was a member of the Dumbarton Town Council for nineteen years, and in thirteen of these was Provost of the burgh. On retiring his services were handsomely recognised by his townsmen, who, in addition to other gifts, placed a marble bust of him, by Stevenson, A.R.A., in the Burgh Hall. Mr. Babtie was for many years a Commissioner of Income-tax for the county. Up to the last he took an active interest in the two pharmacies that his business consisted of, the one at 71 Bank Street, Alexandria, being carried on as Babtie & Campbell, Mr. A. F. Campbell being junior partner. Mr. Babtie leaves two daughters and four sons, the eldest of the latter being Surgeon-General Sir William Babtie, V.C., K.C.M.G., M.B., who is Sir Arthur Keogh's right-hand man in the R.A.M.C. The funeral took place at Dumbarton on Friday, June 9.

CAIRNIE.—At Thurso, on June 7, Mr. David Dandie Cairnie, sen., chemist and druggist. Mr. Cairnie served his apprenticeship with Dandie, Newby & Dandie, Perth, after which he was for some years with Duncan, Flockhart & Co., Princes Street, Edinburgh, and while with them he passed the Minor examination in December 1877. Subsequently he commenced business on his own account at Thurso, and had done well. His son of the same name had been associated with him since he qualified in 1903. Mr. Cairnie's death was sudden and unexpected. He was about sixty years old.

FRASER.—At 5 Dunbar Terrace, Dumfries, on June 8, Elizabeth Smart, second daughter of Mr. John Fraser, chemist, Dumfries, aged eight years and eight months.

GOSTLING.—At Stowmarket, on June 11, the wife of Mr. G. J. Gostling, J.P., chemist and druggist. Their son, Colonel Gostling, of the R.A.M.C., is on service.



MR. JOHN BABTIE, J.P.

HENRY.—In an Edinburgh nursing-home, on June 9, Mr. Claude Francis Henry, chemist and druggist, formerly of Brandon Terrace, Edinburgh, aged fifty-eight. Several years ago Mr. Henry had a heart-attack, which prompted him to retire from business. He then became prescription-pricer to the Edinburgh Insurance Committee, and when the Central Checking Bureau was established in Glasgow he was appointed assistant to Mr. A. B. Gilmour, the Superintendent. A nervous breakdown compelled his retirement, and from this illness he never recovered. Few men of his age connected with Edinburgh pharmacy were better beloved, for Claude Henry had done much for the craft since he was an apprentice with Duncan, Flockhart & Co. in Princes Street. From there he went to the wholesale place in Canongate in 1878, passed the Minor examination in 1881, and started business in Brandon Terrace in 1883, carrying it on with success until his retirement. He was a Past-President of the Edinburgh Chemists', Assistants', and Apprentices' Association, virtually the founder of the local Chemists' Trade Association, and anything he could do for the benefit of pharmacy, local or general, he did quietly, although when a vital matter had to be threshed out Claude Henry spoke without fear, yet fairly. An excellent pharmacist he was also, and a close observer. It seems but yesterday that down in Brandon Terrace he noticed that his powder-bottles (pulv. rhei and so on), as they grew older, acquired an adherent coating of the powder insido, and some striking reflections resulted. In the evening of his days, when a heavy hand lay upon him, the problems of Insurance dispensing and pricing were as interesting to him, this showing the wide range of his intellectual powers; and it may be truly said that his death is keenly felt by those who knew him. He leaves a widow and one son and one daughter. The son, Lieutenant Claude F. Henry, 11th Argyll and Sutherland Highlanders, was at home on short leave when his father died. The funeral was on June 11 at Inveresk Cemetery, and was largely attended by fellow-pharmacists. Mr. Adam Duncan (Chairman) and Mr. James Dick (Vice-Chairman) represented the Edinburgh District Chemists' Trade Association; the Pharmaceutical Committee was represented by Mr. Peter Boa (Chairman), Mr. John Muir (Secretary), and Mr. Dawson. Mr. J. Rutherford Hill (a lifelong friend of Mr. Henry) represented the Pharmaceutical Society.

LAMBLE.—The death took place on June 10, under tragic circumstances, of Mr. John Alfred Lamble, chemist and druggist, Pembroke Street, Devonport. Mr. Lamble, aged sixty-five, resided at Portland Road, Stoke, and was staying with his sister, Mrs. Hannaford, Kingsbridge, his native place, for a short holiday. On Saturday morning he informed his nephew that he would walk to Torcross, and that if he did not feel equal to walking back he would return by coach. He got as far as Strete, three miles beyond Torcross, and was then told by the driver of the coach that the vehicle was full both inside and out. Deceased, however, said he could not walk any further, and he was permitted to ride on the step beside the conductor. Later, when passengers left the vehicle, he was given a seat. At Chillington deceased was observed to sneeze loudly three times and then fall from the coach. At an inquest held at Kingsbridge Town Hall on Monday, Dr. D. V. Todd said death was due to fracture of the base of the skull, and a verdict to this effect was returned by the jury, who expressed sympathy with the relatives. Mr. Lamble for nine years represented St. Clement's Ward on Devonport Town Council, taking an especial interest in sanitary work. He leaves a widow, two sons, and two daughters. His son Walter gave evidence at the inquest, stating that he was associated with his father in business.

METCALFE.—At Chelmsford, on June 8, from cerebral haemorrhage, Mr. Frank W. S. Metcalfe, L.D.S., eldest son of the late Wilson Metcalfe, Ph.C. and dentist, Chelmsford, aged thirty-eight.

SUGDEN.—At 3 Barrow Road, Streatham Common, London, S.W., on June 4, Mr. Joseph William Sugden, chemist and druggist, aged sixty-nine.

THOMESON.—At Morland, Chislett Road, West Hampstead, London, N.W., on June 12, Professor Silvanus Phillips Thompson, D.Sc., F.R.S., Principal of the Fins-

bury Technical College, aged sixty-four. Professor Thompson was at the meeting of the Optical Society on June 8 and proposed a vote of thanks to Mr. F. H. Glew. Next day he was taken ill, and died after two days' illness. He took his B.Sc. degree in the London University in 1875 and the D.Sc. three years afterwards. He then occupied the chair of physics at Bristol University College until his appointment in 1885 as Principal of the City and Guilds Technical College. Professor Thompson was one of the chief experts in this country on electrical engineering and the author of the well-known "Elementary Lessons in Electricity and Magnetism" which bears his name. He had filled the position of President of the Physical Society, the Institution of Electrical Engineers, the Röntgen Society, and the Optical Society, and had been an examiner for the Spectaclemakers' Company for many years. Deceased, who was a Quaker, was an excellent linguist. He was a great favourite with successive generations of students at the City and Guilds Technical Institute, and his quiet and attractive personality endeared him to a wide circle of friends.

Died on Service.

JONES.—Naval Surgeon Cyril O. H. Jones, who was on board H.M. battle-cruiser *Invincible* and was drowned, was the son of Mr. Morgan J. Jones, Ph.C., 4 Thayer Street, Manchester Square, London, W., and was twenty-five years old. He was M.R.C.S., L.R.C.P., and was formerly a house physician in St. Thomas's Hospital.

Wills.

MR. WILLIAM HOWE ROBINSON, chemist and druggist, Stony Stratford, Bucks, who died on March 20, left estate of the gross value of 8,717*l.*, of which 7,237*l.* is net personality.

MR. DAVID DICK SPENCE, Chairman of Peter Spence & Sons, Ltd., Manchester, who died on October 5, 1915, left estate valued at 74,899*l.* 1*s.* 6*d.* gross, with net personality 74,084*l.* 0*s.* 6*d.*

MR. CHARLES WATSON, head of Joseph Watson & Sons, Ltd., soap-manufacturers, Leeds, who died on March 31, left estate valued at 141,739*l.* 15*s.* 6*d.*, including 136,163*l.* net personality.

MR. JOSEPH SMITH, chemist and druggist, late of Joseph Smith & Son, 61 Manvers Street, Nottingham, who died on April 24, left estate valued at 2,324*l.* 1*s.* 10*d.* gross, with net personality 1,222*l.* 8*s.* 3*d.*

THE LATE WILLIAM H. EMERY, 4 Queen Elizabeth's Walk, Stoke Newington, N., for many years with E. D. & F. Man, Colonial brokers, 7 Mincing Lane, E.C., left estate valued at 1,939*l.* 0*s.* 9*d.* gross and 1,517*l.* 19*s.* 3*d.* net personality.

THE LATE IVAN LEVINSTEIN, founder and managing director of Levinstein, Ltd., chemical-manufacturers, Blackley, Manchester, left estate valued at 113,884*l.* 1*s.* 3*d.*, the net personality being 95,354*l.* 2*s.* 11*d.* His sons, Herbert Levinstein, chemical-manufacturer, Manchester, and Lieutenant Gerald E. Levinstein, of the Manchester Regiment, are the executors, and they and their brother Edgar are the chief beneficiaries.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated. Please address us at 42 Cannon Street, E.C.

245/31. "Koh-i-noor" feeding-	234/8. Marshall's patent non-choking bunsen burners.
245/31. Respirateur Belloc	247/37. "Caridella."
(marque déposé), aluminium,	248/49. "Tabonaco."
for use in factories.	247/41. Mearkle's pocket cup.
243/43. "Maltina."	246/69. "Polly ointment."
246/54. "Margol": London	247/34. Lille's backache-drops.
agents.	

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.:

Aldoform tablets, 243/42	"Peerless" teats (for Holland), 225/67
"Amaxosa" ointment, 235/3	Rain-gauges, 64/50
Carbonated baths, 228/34	Trusses, 232/57
Cash's friction towels, 225/16	Tyrell's cascade syringe, 248/48
"Furunculine" 229/57	Vaporole quin. bihydrochlor., 242/61
"Magico" hair-remover, 220/69	"Velysol," 236/6
Orthopaedic appliances (metal), 227/10	

Observations and Reflections.

By Xrayser II.

The Co-optation of Mr. Gibson

to the Council was inevitable, and will be welcomed by the trade as restoring to office a very useful man, but the principle of co-optation is none the less a vicious one in a "representative" body. In the present instance it may be regarded as justified by the fact that at the late election Mr. Gibson stood next on the poll to the successful candidates, and his failure to be of their number was probably due to the incalculable working of our cumbrous and unhappy elective system. If that is so, it is an additional reason for revising our methods. I suppose that the resignation of Mr. Gilmour in consequence of his editorial appointment (upon which I congratulate both him and the Society) will lead to the co-optation of yet another Councillor. On the principle that justifies the co-optation of Mr. Gibson the Council ought to choose Mr. Hines, who stood next below him on the poll, and the evident desire of the electorate to secure new blood should, if the Council is really representative, command him as their best choice.

"Exit 'Rep. Mist.'"

may be somewhat premature as the record of an actual fact, but as a stage direction of the Commissioners it signifies the end of a vicious practice, and the Hampshire Pharmaceutical Committee, whose persistence has wrung it from them, will have the thanks of all panel pharmacists. The practice is an evil one, altogether apart from the risk and inconvenience of dispensing "repeats"; the doctor himself has often a very hazy notion of his last prescription, and does not always, even when he can, refer to the original; "Rep. mist." saves him not only time but thought—thought that the case may really demand. The Commissioners, while allowing the practice, on certain conditions, during the war, prohibit it when the war is over; and the conditions being such as will probably cause the doctor as much trouble as writing the script in full, it may be hoped that he will soon abandon the old, bad habit, excusable perhaps in private practice, when bottles are brought back to him, but quite unsuitable to N.H.I. work.

The Popularisation of the Letters "M.P.S."

is an object that appears to lie near the heart of the Association's Executive Committee. As it is the letters which are to be popularised, I presume that what is meant is that their meaning ought to be made more widely known to the public. Pharmacists know their meaning already; for them they mean an annual payment of 21s. to the Pharmaceutical Society. But who is to explain their meaning to the public? I have known some pharmaceutical chemists who were quite ready to explain that they are a badge of inferiority, but Ph.C.s are not a very numerous class, and I can hardly suppose that M.P.S.s will be eager to advertise their own inferiority. The Council can as little be expected to do it, now that it is composed of both classes. And really it is not an easy thing to make a public that has shown itself almost brutally indifferent to these nice distinctions understand how it is that a chemist who is a member of the Pharmaceutical Society is yet not a pharmaceutical chemist; titles that do not explain themselves are surely ill-chosen.

Mr. Gifford's Ill-considered Proposition

against patent medicines met with no favour from the Council, and the fact is not surprising. As it stood, the proposition was an insult to the Pharmaceutical Society; if the case Mr. Gifford is to prepare for the General Purposes Committee is not more carefully presented, it will be an insult to the trade. We are, it is true, accustomed to be thus

wounded in the house of our friends—to being told that we are a set of miserable shopkeepers, that our ideals are, as Sir F. H. Doyle said of Wordsworth's standard of intoxication, "deplorably low," our examinations contemptible, our ethics non-existent, and so on—but I don't remember that anybody has until now even implicitly associated the Society, as Mr. Gifford did, with disgraceful practices. That he had no such intention I can well believe, but the fact that he did it shows him to be an unfit person to legislate in such a very difficult and complicated business. It is the old problem how to root out the tares without destroying the crop; and though it is worthy of consideration, perhaps demands consideration, it cannot profitably be considered in the spirit shown in Mr. Gifford's speech, nor is it easy to see how the Society can take definite action in such a matter. The evils "alluded to" ("alluded to" is good) by Sir H. Norman are not chargeable on the Society, nor on pharmacists as such; we are the victims rather than the confederates of the "vicious, parasitical" advertiser, and Mr. Gifford admits that it is so. He blundered badly in wording his motion as he did, and if any action is to be taken in pursuance of it I hope this will be done with more discrimination and tact.

The Dental Qualification

is once more in the melting-pot, and in view of the diversity of opinion, even in the General Medical Council, it is impossible to say in what form it will finally emerge. The Committee reporting on the question last week appeared to be convinced that there is nothing to be done. True, the curriculum might be "modified," but it could not be shortened, and the fault lies entirely with the Dentists Act, which prevents the registered dentists successfully attacking their unregistered competitors. Dr. Newsholme is by no means satisfied with this *laissez-faire* attitude, and he carried a motion referring the whole subject back to the Committee for reconsideration, and to prepare such proposals as it deems desirable for the modification of the curriculum. It was further decided to inform the Lord President of the Privy Council of the necessity of enabling the public "to distinguish the qualified from the unqualified dentists and practitioners." This is surely the unkindest cut of all, for it involves the cynical suggestion that there are "dentists" who are "unqualified." I have no doubt that this is true, but it is one of those truths that are better left unsaid. Anyhow, we are in for some more sparring for position, and it will be interesting to watch developments—when they come.

Lanoline (Adeps Lanæ)

is one of the articles in which, before the war, we had allowed Germany to establish a virtual monopoly, and it must be confessed that our first attempts, after the war broke out, to produce it for ourselves were lamentable. I am pleased to see a vast improvement in samples recently submitted, some of which are hardly distinguishable from the German. There can be no reason why we should not equal, or even beat, them in this product, and Australia is even better placed than we for so doing. That the enterprise is likely to be undertaken is good news, and if the protective tariff asked for cannot be secured it is to be hoped that a start will be made without it. Australia has immense advantages over Germany in this respect, being one of the greatest wool-producing countries in the world. We at home, having so much of the world's trade in wool in our hands, ought not to have let any country beat us in this industry, but we could see Australia beat us without either shame or regret, and could ensure her a regular market. It will be matter for something worse than regret if we and our Dependencies refuse to embark on any enterprise, however promising, without tariff-protection.

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Editorial Articles.

Traffic in Narcotic Drugs.

"THE LANCET" considers the Army Order regarding narcotic drugs to be "of special importance" for the reason that "it introduces into medical and pharmaceutical practice an entirely new principle so far as this country is concerned, placing on the liberty of the subject a restriction of a nature that is novel to our poison legislation." Our contemporary suggests that the new Order should be extended to the whole population, and states that

"Under present conditions such drugs as barbitone, sulphonal, and trional are almost as easy to purchase as chocolates, and so long as the druggist labels them in accordance with the law he can spend the whole of the day handing bottles of these hypnotic drugs to any customer who cares to ask for them. Even cocaine and morphine can be purchased by almost anyone."

"The Lancet" touches the point more surely when it says that "the drug-habit is sometimes acquired through the repeated use of prescriptions which the prescriber intended to be used only a limited number of times," but did not say so either to the patient or the dispenser. We have already expressed the opinion that the Army Council Order is a bad precedent for medicine and pharmacy. Most of the hypnotics mentioned by "The Lancet" owe their introduction almost solely to doctors' prescriptions, and prescribers must be regarded as primarily

responsible for any popularity that the hypnotics possess. It is only when substances are scheduled as poisons that an effort is made to control their sale, but the Pharmaceutical Society's efforts in this direction have been singularly retarded by the Privy Council. In respect to the articles scheduled in the Army Council Order we find that the reports of the Registrar-General for England and Wales for the years 1909-13 show that no fatalities occurred during the five years from benzamine (eucaine) salts, codeine, diamorphine (heroin), and Indian hemp. Deaths from cocaine during the five years were six, and eight deaths from chloral hydrate were recorded—a remarkable instance of the benefits that follow scheduling. The barbitone, sulphonal, trional, and veronal groups were not all scheduled during the period, merely sulphonal and the like, so that the figures are specially interesting, there being eighty-one deaths from barbitone (non-scheduled), twenty-two from sulphonal (scheduled), five from trional (scheduled), and four from a combination of morphine and veronal (barbitone). These are astonishing figures, first on account of the relatively small loss from such commonly used articles as chloral hydrate (which has long been subject to conditions of pharmaceutical control) and cocaine, and the large number of fatalities due to derivatives or relatives of urea, such as barbitone. The freedom with which these substances are prescribed by doctors unquestionably fosters their common use, little thought being given to their special character—the production of a coma-like condition of the body similar to what happens in uremia. The suggestion in "The Lancet" that the Army Council's Order should be extended to the civil population cannot, of course, be carried out without legislation, and if that is ever attempted we hope that pharmaceutical authorities will have an opportunity of showing how dangers have been allowed to grow through the Privy Council not giving sufficiently early consent to pharmaceutical recommendations.

Palm-kernel Industry Protection.

THE Report of the Committee on Edible and Oil-producing Nuts and Seeds (West Africa), just issued, affords an interesting hint of one of the many ways in which the British Government will be able to take measures for the retention in British hands of some of the new industries created since the outbreak of war. It is stated in the Report that in 1913 the exports of oils and oil-seeds from British West Africa amounted to 430,563 tons, valued at 7,228,000/., of which Germany took 226,930 tons, worth 3,869,000/., and Great Britain 129,362 tons, valued at 2,578,000/.. The British imports were chiefly palm oil and the German imports mainly palm-kernels. It is notorious that Hamburg practically monopolised the palm-kernel crushing industry, the cake being used in Germany as a cattle-feeding stuff, the oil being made into margarine, partly in Germany, but mostly in Holland, and a good deal of this margarine eventually found its way to this country. On the outbreak of war the palm-kernel trade ceased, and the West African exporters found themselves in a serious position. The success with which this difficulty was tackled, and the rapidity with which it was surmounted and a new British industry created, should be a lesson to those who persistently bewail the supposed decay of enterprise in this country. It is not easy to ascertain who first took action, but the Imperial Institute and the West African Section of the London Chamber of Commerce were early in the field.

Both bodies issued circulars (see *C. & D.*, April 24, 1915, p. 87) calling the attention of oil-seed crushers to the possibility of securing the industry for this country. The few firms who were already taking small quantities of palm-kernels promptly increased their demands, and a number of new firms took up the crushing of palm-kernels, especially in Hull. The West African shipping firms responded by giving special facilities for direct shipment to Hull and London, and in a few months, in spite of the difficulties involved in altering old plant and securing new types of presses, the new industry was well established and Great Britain was taking practically the whole output of palm-kernels. A new difficulty then arose—that of converting the British farmer to the use of the new cake. The assistance of the Agricultural Colleges was secured to carry out feeding trials, and the Board of Agriculture issued a leaflet describing the use of the cake in Germany, Denmark, and elsewhere. At first the cake was sold at a loss, but as a result of this action the demand increased greatly, and the makers were soon in a position to make handsome profits, both on oil and cake. The whole story is an excellent example of what can be done when scientific institutions know how to use their knowledge for business ends and have some appreciation of commercial and industrial difficulties. When the Oil-seeds Committee met in June 1915 the initial trouble was over, and all that was necessary was that the Committee should decide what should be done to retain the industry after the war. The Committee makes four recommendations :

- (1) To impose an export-duty of 2/- per ton, or more if necessary, on palm-kernels shipped to ports outside the Empire;
- (2) Continuation of the campaign for the popularisation of palm-kernel cake as a feeding-stuff;
- (3) New legislation to allow the addition of the words "British-made" to the word "margarine" on the statutory wrapper for margarine;
- (4) The continuation and extension of the joint researches on the oil palm, carried on by the West African Agricultural and Forestry Departments and the Imperial Institute.

In a despatch printed with the Report Mr. Bonar Law instructs the British West African Governments to put the first and fourth recommendations into action, so that in a very short time palm-kernel crushing will be a protected industry, and will apparently have the benefit of a Government scheme of research to improve the production of its raw material. Pharmacists are not directly interested in palm oil and palm-kernels, though they deal to a considerable extent in two of their ultimate products, soap and glycerin, but, in common with all business men, those in the drug-trade will be interested in this ingenious application of the export-duty as a weapon against German penetration of British trade. It has numerous possible applications in the raw materials of the drug-trade and chemical-industry in general, and in British hands may prove a very effective weapon indeed, particularly if Germany finishes the war without overseas possessions.

Derelict Businesses.

DURING the past few weeks we have learned of several cases where the owners of pharmacies who have been called to the Forces have had to abandon their businesses by selling them in cases where temporary managers could not be obtained. In some instances the businesses have been converted into limited companies or have been sold to such companies; but, as a rule, what the owners have wanted was to get a qualified manager. We have been struck by an offer made in our Supplement this week

by the partners of a Metropolitan business to undertake the management during the war of a chemist's business in London. This seems to be an example that might be followed by other registered chemists above military age.

Acetone-supplies.

IN February last the Ministry of Munitions declared acetone to be a war material, and limited dealings in the product in accordance with Regulation 30A of the Defence of the Realm Act (see *C. & D.*, February 12, 19, and 26). We then indicated that it was the intention of the Government to discountenance its use as a solvent for many purposes for which it was employed, technical or medicinal. We now learn that since the foregoing date the Government intentions have been rigidly adhered to and even a tighter cordon has been drawn around the supplies of acetone for use in manufactures, except by makers of munitions. Up to the present, chloroform-manufacturers, who are considerable users, have been able to obtain all their requirements, as there is, of course, no desire to hamper this essential surgical product, but the Ministry of Munitions now appears to have raised difficulties in regard to further supplies, and although the Propellant Supplies Branch of the Ministry of Munitions informs us "that there is no official information available for the Press on the subject of acetone required for the manufacture of chloroform," we understand that further supplies to chloroform-makers are to cease from August 1, and that the makers will have to find a substitute by that date. Trials with new solvents are already taking place, and in a few weeks some definite information may be available as to their success or otherwise. If no favourable substitute for acetone is forthcoming, the Government will be compelled to release adequate supplies of acetone in the national interests. Chloroform-makers are hampered by the fact that the Government controls the supplies of spirit also, and in the matter of price of the two products it is largely a case of Hobson's choice.

Women and Men's Work.

THE Board of Trade has started an Information Bureau at North Court, Victoria and Albert Museum, South Kensington, S.W., where information can be obtained in regard to the possibilities of using women's labour in factories and workshops, taking the place of men who have joined the Colours. A *C. & D.* representative has called at the new office, and was not surprised to learn that there was no available information in regard to women in retail pharmacy, for the *C. & D.* Supplement has been finding places for many of them every week—e.g., we find that since the beginning of May for situations vacant 116 women were wanted, and 68 women, compared with 361 men, wanted situations. The Bureau informed our representative that very few women were engaged in the heavy-chemical trade before the war, the proportion being one woman to twenty men, and now, comparatively speaking, women do not enter very largely, but there are rather more than twice as many as formerly. In the manufacture of drugs and fine chemicals the number has gone up largely, chiefly in munitions and the manufacture of explosives. We need not give the figures, but may say that there are four times more now than before the war. Manufacturing chemists employ women chiefly for packing, bottling, pill and lozenge making. Manufacturers are not sanguine as to the employment of women in some branches, as they are unable to stand the fumes. There is great difficulty in getting trained women for technical work. These observations interest us specially owing to the fact that the offices of the *C. & D.* proprietors are, we believe, the first in London in which women were employed to do work that up to fifty years ago had been done by men only, and in this war time what is generally a novelty or new departure is with us a long-established practice.

Is Hyoscine Scopolamine?

IN the course of some interesting observations on the prevention of anaphylaxis in guinea-pigs by pre-injection

of certain alkaloids, Drs. Albert and Helen Leyton call attention to a remarkable variation in the value of hyoscine and scopolamine for this purpose ("Lancet," June 10, p. 1172). For years past most chemists have accepted the view that hyoscine and scopolamine are one and the same alkaloid, and it is therefore of interest to find medical authors saying "both hyoscine and scopolamine have a distinct influence in preventing anaphylactic shock, but only hyoscine will do so by itself. This we attribute to the more central action of hyoscine as compared with the more peripheral action of scopolamine." The hyoscine used by the authors was of two kinds described as "laevorotatory" and "racemic," while only one kind of scopolamine was used—viz., laevorotatory. Of these three the "racemic" hyoscine only was of use by itself, while the other two (*l*-hyoscine and *l*-scopolamine) appear to have been of some use in conjunction with atropine and morphine, but of no value alone. In a footnote the authors say that since the paper was written they have found further variations with different specimens of hyoscine and scopolamine, which they will deal with in another paper. The results, so far as published, do not warrant the conclusion that scopolamine and hyoscine differ in physiological action. What they do probably mean is that *l*-scopolamine (or *l*-hyoscine) is not useful for this specific purpose, while *dextro*-scopolamine (or *d*-hyoscine) is. The "racemic" hyoscine used would, of course, contain one-half its weight of the *dextro*-isomeride. Even if this be accepted as an explanation the fact is sufficiently remarkable because such observations as are on record indicate that while the *laevo* and *dextro* forms of hyoscine are equally active on the central nervous system there is a great difference as regards peripheral organs, the *laevo* form being very active and the *dextro* form almost inactive. It is to be hoped that in their further paper the authors will enlist the services of a chemist to disentangle this question on the chemical side. It would be most unfortunate to revive the hyoscine-scopolamine controversy at this time of day.

Eyesight and the War.

DR. ERNEST CLARKE, ophthalmic surgeon to the King George Hospital, gave a discourse at the Royal Institution, Albemarle Street, London, W., on June 9, on "Eyesight and the War." The lecturer began by mentioning that after the war it is intended to celebrate the centenary of the birth of the Dutch ophthalmologist Donders, to whom the world owes a debt of gratitude for having first placed ophthalmology on a scientific basis. In 1864 Donders published his great work on "The Accommodation and Refraction of the Eye" in English, and in 1914 the lecturer as a return compliment published in Dutch an account of the progress made in the subject within the last fifty years. Donders threw great light upon the subject of myopia, and first showed that the condition is due to the over-development of the eye, as distinct from hypermetropia, which is caused by under-development. Unless corrected by glasses myopia tends to progress. For this reason, and because of the difficulties of replacing lost or broken spectacles on active service, the War Office has always set its face against the wearing of glasses. The lecturer then pressed home the importance of glasses in preventing excessive convergence which over-accommodation caused in myopic eyes. The progress of 532 myopes whose vision had been corrected had been watched for five years, and in that time in only four instances could the myopia be said to have progressed. Dr. Clarke then referred to the importance of oculists to the Army, and said that every military centre should have its oculist with attendant working opticians. This would give a better choice of men when the Army is small and a larger number when a large Army is needed. Certain concessions have been made by the War Office, but a modern scheme should be adopted in its entirety. At present only vision without glasses counts in this country, whereas in other countries it is corrected vision that is recorded. The effete system of the Army as applied to those seeking commissions and to soldiers was condemned. An instance was given of an athlete who, notwithstanding defective vision, was passed for service by the examining surgeon, and who a few months afterwards

received the D.S.O. for bravery. This young officer had astigmatism, an eye-defect which is more common than is supposed. Of 5,000 eyes examined by Dr. Clarke, 4,303 were found to be astigmatic. Those with gross errors wander either "to the oculist, where they should go, or to the optician, where they ought not to go," said the lecturer; but low degrees of astigmatism, which are more dangerous owing to the waste of energy involved, are generally passed over. Anisometropia, or unequal vision in the two eyes, is also more common than it was thought to be. Out of 2,500 individuals, 1,843 were anisometropic. This defect also leads to an enormous waste of nerve energy expended by the eyes in endeavouring to overcome the defect by means of the eye-muscles. The value of the ophthalmometer invented by Jayal was extolled, the proportion of cases of astigmatism in which it is useless being very small—about 3.5 per cent. The lecturer then referred to the ophthalmic organisation at the King George Hospital, which he claimed to be the most perfect in existence. The importance of eye-strain is fully recognised there. It has even been found that uncorrected vision, by diverting nervous energy, delays the healing of wounds. There is scarcely a disease of the nerves which cannot be benefited or cured by the use of glasses. The last part of the lecture dealt with the subject of presbyopia as affecting that part of the nation which, owing to age, cannot take part in active service. Presbyopia is no more a disease than grey hair. Donders placed the onset of presbyopia at forty, but the lecturer has found as a result of thousands of tests that it should be nearer forty-five. The eyes are an indication of age, and premature senility is indicated by presbyopia coming on earlier than usual. To avoid this early endeavour should be made to conserve the energy by the use of suitable glasses, and in this connection he spoke very highly of double lenses of the fused type. We should save ourselves as much as possible by not anticipating trouble and not burden to-day's care with to-morrow's load.

Self-luminous Paint.

MR. F. HARRISON GLEW, on June 8, lectured before the Optical Society at Burlington House, Piccadilly, London, W., on "Modern Technical Applications of Radium and other Luminous Substances." The President (Mr. F. J. Cheshire) was in the chair, and, after the Secretary (Mr. Shackleton) had read the minutes of the previous meeting and arrangements had been made for the ballot for members of Council, the President called upon Mr. Glew to give his lecture. First of all consideration was given to the light emitted by fireflies and the chemi-luminescence which is exhibited when pyrogallol and hydrogen peroxide are mixed. Balmain's luminous paint was referred to, and the beneficial influence of traces of bismuth upon the impure calcium or barium sulphide to which the phosphorescence is due. The difference between luminescence and phosphorescence is one of the relative duration of emission. In the case of calcium-sulphide paint the luminescence is greatest just after it has been exposed to light, and in the course of a few hours' darkness this rapidly diminishes. Phosphorescence excited by friction was demonstrated in the case of benzo- β -naphthol amine, a card coated with which exhibited luminous streaks when a hard body was drawn across it. Zinc sulphide on shaking also gives out light. Next attention was called to a flat crystal of spodumene, a native form of lithium, which had been exposed to radium. This substance is lilac-coloured originally, and is changed into green after storing radiant energy. When heated the spodumene exhibits a beautiful fluorescence, which persists for some time. Mr. Glew heated the crystal in a beaker and passed it round the room; by the time it was returned to him the luminescence was much diminished, but he showed that it can easily be revived by re-heating. Radium luminous paint differs from ordinary luminous paint by the fact that it does not require daylight to develop its activity. Radium is mixed with the zinc sulphide, and exerts a continuous excitation on the zinc sulphide, and eventually exhausts it. The Admiralty specification for radium luminous paint is four-tenths of a milligram of radium bromide per gram of zinc sulphide. The paint is also made with half this proportion of radium, the point being emphasised that the brighter the paint the shorter time will the light last, so that it is not always advantageous to have the paint containing the larger proportion of radium. At the end of a year, Mr. Glew said, it is probable that paint made to the Admiralty specification will have half its original luminosity. The more radium the paint contains the shorter will be the life of

the zinc sulphide. The tests conducted by the National Physical Laboratory were mentioned, and it was stated that these should not be made with paint until a few days after it has been applied. This is on account of the fact that the act of mixing the paint exhausts the zinc sulphide somewhat, and it requires time for the radium to excite it to further action. There are certain precautions to be observed in mixing the paint. It is issued as a powder, and of this a little cone is placed in the bottom of a small porcelain dish, and round the bottom of the cone a few drops of turpentine is run. The turpentine creeps up the cone of powder, and when it is seen that the peak is wet sufficient mastic varnish is added and mixed by means of a sable brush. A palette-knife must not be used, or the crystalline structure of the zinc sulphide will be destroyed, with a corresponding loss of illuminating-power. Mr. Glew added that other substances than radium are used in paint, mesothorium more frequently. Ionium would be an ideal substance, but it is not obtainable in a pure state. Many striking experiments with radium were made before the meeting. One of these was the excitation of a piece of willemite by radium through the thickness of a flat-iron. The methods of distinguishing mesothorium and radium were described, and, as these can only be carried out in a well-equipped laboratory, it shows the importance of purchasing supplies from a source which can be relied on. Mr. Glew received a vote of thanks for his demonstration, and afterwards repeated some of the experiments. Professor Silvanus Thompson proposed the vote, which was his last public utterance, for he died on Monday.

The Novocain Patent.

MR. W. TEMPLE FRANKS (the Comptroller-General) and Sir Cornelius Dalton, on June 15, heard an application at the Patent Office of Mr. T. Kerfoot and Mr. E. H. Kerfoot, Bardsley Vale, Lancashire, for a licensee to use patent 17,162 of 1905 belonging to the Farbwerke vormals Meister, Lucius & Brüning. The patent is one which controls the manufacture of novocain. Mr. Potts appeared for the applicants and Mr. Imray for the Farbwerke vormals Meister, Lucius & Brüning and the Saccharin Corporation, Ltd.

Mr. Potts, in making the application, explained that owing to certain disadvantages in the use of cocaine as an anaesthetic experiments were made with a view to producing a synthetic product which would give better results. This led to the manufacture of novocain, which has the advantage that it can be sterilised by boiling without decomposition. It is used as a dental anaesthetic, and at the present time on an enormous scale for major operations in dressing-stations near the firing-line. A solution is injected into the spinal column and gives complete anaesthesia without the patient losing consciousness. It is vitally important that there should be ample supplies forthcoming. It appears, however, that the whole of the output has rightly been assigned to the Government, which restriction shows that the Saccharin Corporation has not enough to go round. Mr. Potts added that the patent is not in the processes of manufacture, but simply in the production of a compound of therapeutic value. He then placed before the Comptroller particulars of the standing of Messrs. Kerfoot and capacity of their works. As evidence of their ability to manufacture the product Mr. Potts mentioned that they are at the present time making the purest acetylsalicylic acid on the market and also dulcitol, both these having been made exclusively in Germany before the war. When it was evident that a scarcity of novocain existed Messrs. Kerfoot approached the Royal Society and through them were placed in touch with Dr. Haworth and Professor Irvine, of St. Andrews University, and by this means have been able to make successfully the intermediate and final products. Steps have been taken to ensure that there will be no danger of shortage of intermediate products. Professor C. R. Marshall, of the Dundee University College, has made an independent chemical and pharmacological examination of the product and found it identical with novocain sent out by the Saccharin Corporation.

Mr. T. Kerfoot bore out the statements made by Mr. Potts, and said his firm are prepared to manufacture large quantities within a month at the same price as charged at present.

Dr. Haworth, in reply to the Comptroller, said there should be no difficulty in carrying out the manufacture at Messrs. Kerfoot's works.

Dr. F. Passmore, in reply to the Comptroller, said that from one-twentieth to one-tenth of a grain of novocain is used for each operation.

Dr. Haworth further stated that there is no part of the synthetic processes which was unknown to chemists before the patent was taken out.

Mr. T. Kerfoot, in reply to Mr. Imray, said his firm are in a position to supply themselves with all the intermediate products required.

Mr. Imray, for respondents, put in an agreement entered into in 1906 between the Saccharin Corporation and the Farbwerke vorm. Meister, Lucius & Brüning for the exclusive sale of novocain in the United Kingdom and Colonies. The Saccharin Corporation is an English company.

The Comptroller, having studied the agreement, said it appeared that the Saccharin Corporation's agreement only covered the sale in this country, and not the manufacture.

Mr. Imray said the Corporation is the sole proprietor of novocain in this country. It has been made here since the war.

The Comptroller said the manufacture of this extremely important and valuable drug is in the hands of a German company (Meister, Lucius & Brüning); therefore the whole of the monopoly is German-owned. No doubt some had been made in this country for the purpose of Section 27. The Saccharin Corporation can only sell what the German company makes, and has no licence to manufacture. The question is whether the manufacture should not be spread as much as possible.

Dr. Passmore, a director of the Saccharin Corporation, said that on the outbreak of war his company asked the War Office and the Admiralty whether there was likely to be an increased demand for novocain, so that steps could be taken to make it in quantity. The reply was that it was not wanted. After a time, however, large orders were received not only from the War Office, but from the Allies, and the stock was diminishing so rapidly that he approached the National Health Insurance Commissioners as to what was to be done to ensure a continuance of supplies. The Commissioners undertook to obtain supplies of the raw materials through the Royal Society, and in return for this the Corporation placed all their novocain at the disposal of the Government. The shortage was only temporary, and has been overcome now. The Saccharin Corporation has spent a large sum of money in introducing novocain in this country, and it should be left to continue the manufacture as at present at Ellesmere Port. The Corporation had offered to purchase the patent and plant from Meister, Lucius & Brüning.

The Comptroller said the Saccharin Corporation doubtless appreciated their position: that they are not beneficial owners of the patent.

Dr. Passmore: We think that any licence granted should be to the Saccharin Corporation.

From subsequent conversations it appeared that difficulty was experienced in obtaining diethylamine and oethenol, but these can now be obtained in quantity.

The Comptroller said the matter must be looked at from the national point of view, and he saw no reason why the sources of supply should not be opened out.

Mr. Potts said his clients are prepared to pay 5 per cent. royalty, and he added that Messrs. Kerfoot possess the advantage of being able, by the researches of Dr. Haworth and Professor Irvine, to make all the intermediate products from simple materials and independent of the patent processes.

Mr. Imray asked that the matter be deferred to enable the Corporation to apply for a licence, as they had only been stopped from applying because of the arrangement with the Royal Society and the National Health Insurance Commissioners.

The Comptroller said that was all the evidence he required. The decision of the Board of Trade will be announced in due course.

Association Affairs.

Aberdeen.—In connection with the Aberdeen Pharmaceutical Association, a largely attended meeting of panel chemists was held in Robert Gordon's Technical College on June 7, Mr. J. R. Reith presiding. Mr. J. Rutherford Hill (Edinburgh) addressed the meeting on the present position of pharmaceutical affairs under the National Insurance Act. Questions were asked and answered, and doubtful points cleared up. Mr. Hill was heartily thanked for his address.

Gloucestershire.—A meeting of the Gloucestershire Pharmacists' Association was held on June 1 at Cheltenham, Mr. W. H. Hill (President) in the chair. The delegates reported on the Local Associations Conference, and were thanked for their services. A conversation ensued regarding the Pharmaceutical Society, and Mr. Lee Hall

advocated the reduction of the subscription in order to make every qualified man a member. If necessary, the "Journal" need not be sent to those paying the smaller fee. He gave an instance where five copies of the "Journal" are delivered to the same address to five members, only one being used.

Grimsby.—Mr. H. W. Colley presided at a meeting of the local Pharmacists' Association on June 5, when the business discussed included the Local Associations Conference (on the Secretary's report), stock mixtures, and military service, the Secretary being instructed to assist in the last matter.

Hampshire.—A meeting of the Hampshire Pharmacists' Association was held at Winchester on June 7, Mr. A. E. Chaston, Winchester, in the chair. Mr. White (Clerk to the Insurance Committee) reported that there has been considerable delay in the work of the Pricing Bureau, but the pricing of prescriptions is being speeded up. Cheques for the balance of the March accounts and part payment of the April accounts have already been sent out. The delegates to the Local Associations Conference (Messrs. Baker and Wride) gave an account of the Conference meeting in London. Mr. Bartlett (Chairman of the Pharmaceutical Committee) reported on the work of that Committee. In order to improve the present organisation in the county, it was decided to entrust the work of calling a meeting of the County Committee and representatives of the Borough Associations to Mr. Upson, Gosport.

London (E.).—The annual meeting of the East London Pharmacists' Association was held at Poplar on June 8, Mr. A. R. Keith (President) in the chair. The balance-sheet for the year, showing a small surplus, was submitted and passed. The officers of the Association were re-elected *en bloc*.

London (S.W.).—Mr. W. H. Goy presided at the annual meeting of the S.W. London Pharmacists' Association on June 6. The Treasurer's report showed a credit balance of 23*l.* 14*s.* 10*d.*, thanks to him (Mr. Boyes, Balham Hill). The officers elected were: President, Mr. W. H. Goy; Treasurer, Mr. W. J. Boyes; Secretary, Mr. C. Breese (119 Mitcham Lane, Streatham, S.W.1). The election of the Trade Secretary was left in abeyance, the Secretary undertaking that work for the time. Members of Council, Messrs. Garton, Keall, Shakerly, Skues, Barratt, Thornton, Freke, Mason, Brook, Evans, Emmerton, and Fairlie. Messrs. Keall, Atkins, Barratt, and Breese were appointed to represent the Association on the London County Executive, and Messrs. Keall and Breese on the Pharmaceutical Committee. Messrs. Dan Davies and Yeoman had acted as auditors, and were cordially thanked.

North Irish Pharmacists' Association.—A meeting of this Association was held in the Y.M.C.A., Belfast, on June 7, to consider rules of the Association which has just been formed. Mr. I. W. Nicholl (President) occupied the chair, and in opening the proceedings thanked the members for electing him President. He wished the new Association every success, and promised to do all he could to place it on a sound footing. The rules which had been drafted by the Committee at the conclusion of the last general meeting were then submitted, and, with a few small alterations, were duly passed. Mr. James Tate urged the licentiates present who are not members of the Pharmaceutical Society of Ireland to qualify for membership at the earliest opportunity, as in so doing they would benefit the funds of the parent Society, and increase its power for the protection of the members.

Torquay.—Mr. J. Taylor, J.P., presided at the annual meeting of the Torquay and District Pharmacists' Association at Northcote Hall on June 7. Sincere regret at the death of Earl Kitchener was recorded. The Executive's report was taken as read, and a lengthy discussion ensued, especially on the correspondence conducted by the President with the Secretary of the Pharmaceutical Society. The general trend of the discussion confirmed the President's opinion that there is a weak link in the organisation scheme of the Society. The President suggested taking Devon County, with clearly defined areas for District Associations, the county boroughs coming into the scheme, and each District Association to appoint representatives to the county. He believed that greater interest would thus be obtained. A minimum price-list was adopted, and the following officers were elected: President, Mr. J. Taylor, J.P.; Treasurer, Mr. F. Cutmore; Secretary, Mr. T. W. Dunsford; Executive, Messrs. March (Torquay), Swaffin (Brixham), and Evans (Bovey Tracey).

PROFESSOR DR. ALEXANDER MITSCHERLICH celebrated his eightieth birthday on May 28. He is the founder of the cellulose-industry.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Blackburn.—At the meeting of the Blackburn Insurance Committee on June 8, the Insurance Commissioners wrote regarding the position of doctors' dispensers under the Military Service Act. The Commissioners stated that both the original and present provisions which applied to qualified chemists applied equally to dispensers, who are to be regarded as in a certified occupation, the Government Order being expressly drawn up to include this class. The Committee instructed the Clerk to communicate with the doctors on the panel, with a view to the preparation of a list of the dispensers for whom appeals will be made. The Clerk submitted the result of the pricing of chemists' accounts for the month of March, as certified by the Central Checking Bureau at Bolton.

East Riding.—A meeting of the East Riding (Yorks) Pharmaceutical Committee was held on June 8. The supervision of prescription-pricing was considered, and the Secretary furnished further information as to the Pharmaceutical Society's Checking Bureau. It was decided to place the checking into the hands of the Society. The circular in regard to stock mixtures was considered. In the event of the Panel Committee desiring to adopt stock mixtures it was resolved to point out that it is not practicable in a rural area like the East Riding to keep stock mixtures in bulk owing to the small demand for any particular formula. It would consequently be a hardship to the chemist to have the dispensing-fee reduced on mixtures which he would have to prepare fresh each time. Claims for exemption from military service were considered.

Gloucester.—The report of the Finance and General Purposes Sub-Committee, which was adopted at the last meeting of the Gloucester Insurance Committee, recommended that chemists be paid monthly at the rate of 6d. per prescription, subject to adjustment, and that 2½ per cent. be deducted to cover the expenses of the Pharmaceutical Committee. The Commissioners had notified that the final credit to the Drug Fund for the year 1914 is 3,981. 16s. 7d.

London.—A meeting of the Pharmaceutical Committee was held at Bank Chambers, High Holborn, W.C., on June 13, Mr. A. H. Jenkin (Chairman) in the chair. A question was raised by Mr. Shirtliff concerning the non-payment of advances on prescriptions sent to the Insurance Committee after the fourth day of the month. The Chairman pointed out the procedure is in accordance with the note which appears on the back of the invoice form, and that payment for the whole of the account would be made when priced and completed. The Committee decided that payment at the rate of 5d. per script should be made for the months of May and June 1916. A discussion took place on the list of proposed Stock Mixtures (158 I.C.) submitted to Panel, Pharmaceutical, and Insurance Committees by the Commissioners. It was ultimately decided that the Secretary be instructed to write to the Insurance Committee pointing out that the Pharmaceutical Committee still maintain their opposition to the introduction of stock mixtures as a means of supplying medicines to insured persons, as such practice is distinctly prejudicial to the interests of insured persons. Instructions were also given that a communication should be sent to the pharmacists' representative on the London Insurance Committee conveying the Committee's decision, and indicating the attitude he should adopt. The amended figures for prescriptions dispensed during January and February are as follows: *January*, 330,180 prescriptions; total cost, 8,933l. 6s. 2d.; average cost, 6.49d. *February*, 316,008 prescriptions; total cost, 8,501l. 0s. 6d.; average cost, 6.46d. Among the matters reported by the Secretary was a complaint from a chemist as to the loss of prescriptions by the Insurance Committee. The Committee will assist the chemist so far as possible to recover the scripts. The annual report, together with statement of accounts, was approved for circulation to all chemists on the London Panel. Mr. Skinner raised the point as to the non-payment of a chemist's account for the year 1914, and the Secretary was instructed to make the necessary inquiries and communicate the result to Mr. Skinner.

Smethwick.—At the meeting of the Insurance Committee on June 6, the report of the Finance, etc., Sub-Committee was approved. The Sub-Committee called atten-

tion to a charge for the travelling-expenses of the Committee's representative to attend the National Association of Insurance Committees, which is not a proper charge under the provisions of Section 31 (3) of the National Insurance Act. Attention was called to the amendments in the regulations regarding the procedure of Insurance Committees. The payment of chemists' accounts was sanctioned, this including 46l. 8s., balance for 1915. The Medical Benefit Sub-Committee reported regarding the recruiting of chemists, and that lists of stock mixtures have been supplied for the consideration of the Panel and Pharmaceutical Committees.

West Bromwich.—A meeting of the Pharmaceutical Committee was held on June 6, Mr. James Lock (Chairman) in the chair. The Secretary reported that the Insurance Committee had been requested to pay the balance due to chemists from 1914 and 1915, but so far without result. It was decided to ask the Insurance Committee to grant for 1916 an extra dispensing-fee of sixpence for all prescriptions marked "Urgent" by the doctor and dispensed after the usual hour, or on Sundays or holidays. The Secretary reported that the cost of checking by the Central Checking Bureau was estimated at 16l. 13s. 4d., being 0.2d. per insured person for 20,000 persons in receipt of medicine from chemists. The Secretary is carrying out the secretarial duties without remuneration, and no expense is incurred for office rent as the meetings are held at members' houses.

West Ham.—At the meeting of the Insurance Committee on June 5, the Joint Services Sub-Committee reported as to the result of the analysis of samples of medicine dispensed by panel chemists. Thirteen samples were taken, and some were deficient in, and others contained excess of, certain ingredients. The Sub-Committee state that no fraud was practised, but that the deficiencies are due to careless dispensing. It was recommended that the Pharmaceutical Committee be asked to submit a scheme for periodical testing of dispensing. It was suggested that the report be sent to the Commissioners so as to be available for reference in case of legislation. Mr. Potter said the report was carefully considered by the Pharmaceutical Committee. The form of analysis did not give satisfactory results, and there is no doubt that the varying capacity of the bottles had a good deal to do with the adverse report. The report is to be sent to the Commissioners.

SCOTLAND.

Edinburgh.—The Insurance Committee has rescinded its resolution allowing the Central Checking Bureau to allow "the nearest equivalent" for proprietary articles prescribed, and from June 12 reverts to the original policy of disallowing proprietary preparations, vaccines, and sera. In future chemists should draw the attention of the prescriber when a proprietary is prescribed, otherwise the rule will be enforced.

Kincardine.—At the recent meeting of the Kincardine-shire Insurance Committee in Stonehaven, it was decided to distribute among chemists the balance of the Drug Fund for 1914-15. It was agreed to apply to the local Military Tribunal for the exemption from military service of Mr. A. H. Millar, chemist, Bervie, he being the only panel chemist between Stonehaven and Montrose.

Notes

THE COUNCIL OF THE FACULTY OF INSURANCE, in view of the Insurance Act deficiencies revealed by the Majority Report and Minority Memorandum of the Departmental Committee on Approved Society Finance and the divergencies in their recommendations, have appointed a Commission of Investigation, which will consider these and any further reports that the Departmental Committee may issue. Mr. John Hodge, M.P., has consented to act as Chairman, and the following are also members of the Commission: Mr. F. Handel Booth, M.P., Mr. G. W. Currie, M.P., Mr. J. W. Pratt, M.P., and Mr. Walter Davies (Chairman Manchester Insurance Committee). The Commission will meet at an early date, and their report will be available for Parliament and the public.

STOCK MIXTURES.—The Secretary of the Pharmaceutical Society, in a circular-letter on the formulae for stock mixtures, states that the list of mixtures was originally submitted by the British Medical Association. "The Society was able, however, during the negotiations, to obtain recognition by the B.M.A. of their objections to several of the mixtures. The Commissioners, in arbitrating on the other mixtures in dispute, supported the Society's objections to the formulae in some cases, and in the rest decided that alterations should be made rendering the formulae less objectionable to the Society. Those containing emuls. chlorof., B.P.C., are instances, the chloroform originally suggested by the B.M.A. being replaced, by order of the

Commissioners, with the B.P.C. emulsion. The adoption of these formulae by Panel, Pharmaceutical, and Insurance Committees is not compulsory, and their adoption should be fought locally." The Secretary suggests how this may be done.

STATE MEDICAL SERVICE.—We notice in the report of an interview with the Insurance Commission *re* the settlement of accounts for 1914 that they are unable to arrive at exact figures until all lists are centrally classified. It would be well to look round and see what this centralisation may lead to. At the commencement of the Medical Benefit, in the areas where the greatest opposition existed the Chancellor had prepared a scheme with the medical staff available to commence a State medical service for a fixed number of years, in case the medical men refused to sign under the present conditions. If the permanent officials were consulted, no doubt they would welcome a purely State service, since it would simplify the payment for medical treatment very much. One system would have been whole-time salaried medical men, supplied with drugs, etc., either from a State dispensary or from the ordinary chemists, as in the present arrangement. Alternatively, a salaried medical man would have been appointed to a district, with the right to practise among the families of his insured persons. This method would have done away with the objection to a salaried officer pure and simple, as he would still have to satisfy his insured persons. This alternative scheme is likely to be adopted if a State service should come, as it is one of the systems favoured by the authorities at the commencement of the Act, when the medicine was to be supplied by the chemist.

Business Changes.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

THE BUSINESS of Dix, Lancaster & Co., chemists and druggists, 8 High Street, Croydon, has been closed.

PHILLIPE & SON, of Wallgate, Wigan, have taken over the pharmacy of the late J. Pennington in that borough.

KEMP'S VULCANISING CO., LTD., have removed into larger premises, 48-52 Hardman Street, Manchester, from No. 19 in the same street.

COURTIN & WARNER, 8 Harp Lane, London, E.C., sole proprietors of the business of Domeier & Co., announce that they have decided to trade in their own names.

Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

MR. A. E. HOBBS, Ph.C., Tunbridge Wells, Provincial Junior Warden, has received Past Rank honours.

MR. R. H. L. WATSON, pharmacist, 182 Stroud Green Road, N., has suffered a loss in the death of his brother at the Front.

MR. JOHN A. ROBINSON, of the Exchange Station Pharmacy, Liverpool, visited London this week, and we had a pleasant chat with him about things in general and pharmacy in particular.

In referring to the death of Dr. Charles Lakin, Leicester, "Potter's Bulletin" states that he was the son of Wm. Lakin, one of the body of men who founded the British Medical Reform Association in 1864. It is said of Wm. Lakin that he got a new lease of life as a young man through reading Culpeper's "Herbal," and then purchasing the herbs from John Boot, Goosegate, Nottingham, the father of Sir Jesse Boot.

Things Worth Knowing.

The "Hall-mark" of a reliable assistant is "punctuality." To lighten the colour of any fixed oil, expose it to the direct rays of the sun.

Siphons and bottles of aerated waters will not become flat if stored in a dark and cool situation.

Old and unsightly capsules may readily be restored by rubbing in the palms of the hands with a few drops of almond oil.

Organic drugs keep best in tin boxes, but care should be taken to pierce a few holes for ventilation, otherwise fungoid growths ensue.

To produce a pure clear simple syrup use only crystallised sugar. Some granulated varieties yield a syrup which gradually becomes turbid and musty.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., June 15, 5.30 p.m.

BUSINESS in the chemical and drug markets continues quiet with fewer alterations in values. The weakness in bromides and the salicylates continues owing to the absence of demand. Acetanilide, acetyl-salicylic acid, and methyl salicylate are also offered at cheaper rates. Guaiacol preparations are dearer. Rather better supplies of some of the fine chemicals have been coming forward from France. Glacial acetic acid is dearer. Milk-sugar is very scarce, makers being unable to offer. Among essential and fixed oils clove is rather firmer; nutmeg is dearer; true almond is steady, and peach-kernel oil easier; star-anise oil is also cheaper to arrive. Cottonseed, coconut, and palm oils, and turpentine are lower. Menthol, Japanese mint oil, and quinine are extremely quiet.

Higher	Firmer	Easier	Lower
Acetic acid, glacial	Clove oil	Anise oil, star (c.i.f.)	Acetanilide
Cinchona (auction)		Apricot-kernel oil	Acetyl- salicylic acid
Guaiacol carbonate		Copper sulphate	Coconut oil
Milk-sugar		Wax, veget.	Cottonseed oil
Nutmeg oil		Jap. (e.i.f.)	Methyl salicylate
Potash sulpho- guaiacolate			Palm oil
			Peppers
			Turpentine

Cablegrams.

BERGEN, June 15.—The cod-fishing in the Finmarken district is now closing, and the market for finest new non-congealing medicinal oil is quiet at 600s. per barrel.

NEW YORK, June 14.—Business in drugs is quiet. Menthol is lower at \$2.85 per lb. Curaçao aloes is easier at 10 $\frac{1}{2}$ c., and Cartagena ipecacuanha is lower at \$2.10. Mexican sarsaparilla is easier at 10c. Buckthorn-bark is lower at 48c., and copaiba balsam is easier at 67c. Both senna and serpentine are cheaper at 40c. and 29c. per lb. respectively.

ACETANILIDE is offering at the lower price of from 7s. 6d. to 8s. per lb.

ACETIC ACID.—A limited quantity of glacial would probably be obtainable at 300s. per cwt., and 80-per-cent. quality can be had at 170s.

ACID, ACETYL SALICYLIC, is rather weaker at from 46s. to 47s. per lb.

AGAR-AGAR.—No. 1 Kobe strip is offered at 2s. 7d. on the spot and 2s. 1d. c.i.f. for May-June shipment.

ALMOND OIL is steady at from 2s. 9d. to 2s. 10d. per lb. for B.P. sweet as to quantity; essential bitter remains scarce at from 45s. to 50s. per lb. Apricot and (or) peach kernel oil is slightly easier at from 1s. 5d. to 1s. 6d. net.

AMIDOPYRIN is quoted at from 65s. to 70s. per lb.

AMMONIA SULPHATE is steady at 15s. 17s. 6d. net naked at works in London for 25-per-cent. ammonia for prompt delivery. Hull prompt (24-per-cent.) is 16s. 18s., Liverpool is 17s., and Leith is 17s. per ton for prompt, less $\frac{1}{2}$ per cent. in bags f.o.b.

ANISE OIL (STAR) is steady on the spot at 3s. 5 $\frac{1}{2}$ d. per lb. for "Red Ship" brand and at 3s. 3d. c.i.f.

APRICOT-KERNELS.—At auction on June 20, 200 bags California and 333 bags Chinese (both in prize) will be offered.

BARBITONE remains scarce at about 70s. to 75s.

BROMIDES.—Last week's reduction has left the market limp, there being very little demand at the moment, American potassium offering at from 15s. to 16s.; sodium is 13s., and ammonia 15s.

CAMPHOR (REFINED) quiet, with Japanese refined 2 $\frac{1}{2}$ -lb. slabs offering at 1s. 8d. on the spot and for June-July shipment 1s. 7d. per lb. c.i.f. has been paid.

CAPSICUMS.—At auction 376 bales East Indian were bought in, comprising good red at 50s. to 52s. 6d. and ordinary stalky red at 46s. per cwt.

CASSIA-BUDS.—At auction 50 boxes were bought in at 80s. per cwt.

CASSIA-LIGNEA is offered on the spot at 47s. 6d. per cwt., and to arrive at 50s. c.i.f.

CASTOR OIL.—No French oil has been available for a lengthy period, no export permits being allowed by the French Government, and Italian oil is held at prohibitive figures.

CINCHONA.—At the tender of bark held at Amsterdam on June 7, the equivalent of 57,474 kilos. quinine sulphate offered in bark form, of which the equivalent of 50,201 kilos. sold. The preliminary unit was 12.99 cents per half-kilo, compared with the preliminary unit of 14.18 cents per half-kilo, in May. Of the pharmaceutical bark offered, the equivalent of 242 kilos. quinine sulphate sold, the prices paid for the bark ranging from 39 $\frac{1}{2}$ s. to 66 $\frac{1}{2}$ s. per half-kilo. The total exports of bark from Java from January to May 1916 amounted to 6,127,559 Amst. lb., against 4,430,000 Amst. lb. in 1915. At the London auction on Wednesday 1,285 packages offered, of which 856 sold with a good demand at full prices, the average unit for manufacturing-bark being 2 $\frac{3}{4}$ d., while druggists' bark sold up to 4d. the unit. Of East Indian 1,049 bales offered and 620 sold, comprising officinalis natural stem chips at 6 $\frac{1}{2}$ d. to 7 $\frac{1}{2}$ d., renewed stem chips and shavings 9 $\frac{1}{2}$ d. to 9 $\frac{3}{4}$ d., and root 9 $\frac{1}{2}$ d. Succirubra stem chips, 8d. to 9d.; dull quill, 9 $\frac{1}{2}$ d.; Ledgeriana root, 10 $\frac{1}{2}$ d.; hybrid stem chips, 7 $\frac{1}{2}$ d.; branch, 6 $\frac{1}{2}$ d.; and root, 8d. Of Calisaya, 140 bales offered and sold, including good quill at 1s.; flat Calisaya was bought in at 1s. 6d. Of West African (St. Thome), 86 bales offered and sold at 7 $\frac{1}{2}$ d. to 7 $\frac{3}{4}$ d. for thin broken quill and chips.

CINNAMON.—At auction of 105 bales Ceylon unworked 15 sold without reserve, comprising coarse firsts at 10 $\frac{1}{2}$ d., seconds ditto 10d., and fourths 8d.; fine firsts were retired at 1s. 2d. to 1s. 5d.; 407 bags were bought in at 6 $\frac{1}{2}$ d. for quillings and 7d. for broken quill and featherings. Of Chips, 217 bales coarse Ceylon were bought in at 3 $\frac{1}{2}$ d.

CITRIC ACID quiet at from 3s. 7d. to 3s. 8d.

CLOVE OIL.—Owing to the higher cost of production English distillers' prices are dearer at from 5s. 8d. to 5s. 10d. per lb.

CLOVES are easier, with sales of fair Zanzibar offering on the spot at 6 $\frac{1}{2}$ d.; to arrive May-June shipment has been sold at 6 $\frac{1}{2}$ d. c.i.f., and August-October delivery at 6 $\frac{1}{2}$ d.

COCA-LEAVES.—The shipments from Java to Europe during May 1916 amounted to 201 packages, against 1,706 packages in May 1915. The total shipments from January to May 1916 amounted to 1,227 packages, against 10,923 packages in 1915.

COCAINE is offered at 21s. net per oz. for hydrochloride.

COD-LIVER OIL.—Our Bergen correspondent writes on June 10 that the Finmarken cod-fishing is at the closing point, and after Whitsun there will practically be no fishermen left to continue the fishing. The total results up to June 3 were as follows:

	1913	1914	1915	1916
Catch of cod (millions) ...	71	76 3	61 2	47.4
Yield of c.l.o. (hect.) ...	44,600	54,100	49,100	55,700
Cod-liver for "raw" oils (hect.) ...	9,300	10,200	8,000	5,100

The tendency of the market is rather dull, and prime non-congealing is now quoted at from 60s. to 65s. per barrel.

COPPER SULPHATE is nominal at 50s. to 51s. per ton for the usual Liverpool brands.

CREAM OF TARTAR is firm at 205s. for 98-per-cent. powder.

CYANIDES.—Reuter learns that a contract has just been concluded between the majority of the mining groups on the Witwatersrand, to be followed, it is understood, by all the mining companies in Rhodesia, under which they will draw all their cyanide supplies during the war and for five years thereafter from the Cassel Cyanide Co., of Glasgow, a minor proportion of this supply being contributed by the British Cyanides Co. Before the war Germany supplied about three-quarters of the cyanide requirements of the mines and Great Britain only one-quarter. The South African cyanide requirements amount to something like 500,000^t. per annum.

DILL OIL is in small supply, with English (B.P.) oil offering at 30s. per lb.

GINGER.—At auction 16 cases Calicut were bought in at 56s. for partly wormy unsorted native cut; 511 bags were also bought in, comprising washed brown Calicut at 52s. 6d., washed Cochin at 47s., and wormy ditto at 43s. per cwt.

GWAIACOL CARBONATE is very scarce and dearer, a limited quantity being obtainable at 95s. per lb.

GUM ACACIA.—Kordofan sorts on the spot offer at 67s. 6d. per cwt. and to arrive at 60s. c.i.f.

HEXAMINE.—The spot value is about 4s. 6d. to 4s. 9d. per lb.

IPÉCAUANHA quiet, with Matto Grosso offering at 16s., Johore at 13s., and Cartagena at 10s. 6d. per lb.

LIQUORICE-JUICE.—A London dealer's report states that the present high prices are due to shortage and high cost of labour, the drop in exchange, and the extremely high prices for coal in Italy and Spain, which are now the only sources of supply, as no root or juice are coming from Greece.

MENTHOL.—Quiet, with Kobayashi-Suzuki offering at 12s. per lb. on the spot, and at 10s. 6d. c.i.f. to arrive.

The following figures show the destination of the exports from Japan during the two months (January-February):

To	1914	1915	1916
British India ...	2,534	6,656	3,214
Great Britain ...	21,838	12,987	42,377
France ...	3,606	14,189	9,946
Germany ...	26,557	—	—
United States ...	24,356	22,387	23,410
Other countries	3,334	9,162	2,711
 Kin	82,225	65,281	81,658
Yen	594,338	335,762	512,508

METHYL SALICYLATE is more freely offered, especially from Holland, and prices are lower at about 12s. to 12s. 6d. per lb.

MILK-SUGAR is very scarce at 140s. to 145s. per cwt. on the spot for good Dutch from dealers.

MINT OIL.—The exports from Japan during February amounted to 42,382 kin, valued at 90,375 yen. During the two months ended February 29 the exports were:

	1914	1915	1916
Kin ...	79,855	81,198	80,189
Yen ...	235,343	147,267	183,324

NUTMEG OIL has advanced about 9d. per lb.

OILS (FIXED).—Linseed is steady at 34s. 6d. in pipes and 35s. 6d. in barrels on the spot; July-August, 35s. Cottonseed is lower at 45s. 6d. for crude in pipes, 47s. for refined in pipes, and from 52s. to 54s. for sweet refined in barrels—all on spot. Ceylon Coconut is lower at 57s. in hogsheads and 55s. in pipes, both on spot; Cochin is 57s. to 59s. on spot, and London pressed is 47s. Ordinary brown crude naked Rape is 49s. on spot; British refined in barrels is lower at 51s. to 52s.; Japan in cases is 37s. 6d. c.i.f. for June-August shipment. Soya oil is easier at 37s. 6d. for Manchurian in cases for May-June shipment; Hull (spot) extracted is 41s., and crushed 42s. Lagos Palm is 41s. spot, and in Liverpool 31s. is quoted.

OLIBANUM.—On the spot good drop is offered at from 57s. to 60s. red at 47s. 6d., good garblings 37s. 6d., and ordinary 21s. per cwt.

OLIVE OIL.—According to official statistics published in the "Gaceta de Madrid" and the "Board of Trade Journal," the total area under olive cultivation in Spain (including the Balearic Islands) in 1915 was approximately 1,481,900 hectares, and the total quantity of olives yielded was 17,728,000 metric quintals, or an average of 11.96 metric quintals per hectare. Of this quantity, 17,274,000 metric quintals were used for making olive oil, the total production of which was 3,261,000 metric quintals, or an average of 2.20 metric quintals per hectare.

OPIUM.—There is practically no change in this market, good Salonica druggists' quality offering at from 34s. to 35s. per lb. Persian is quoted at from 22s. to 23s. per lb., the latter for 10-per-cent. morphine.

PEPPER.—At auction 73 bags Ceylon sold at 8 $\frac{1}{2}$ d. for good bold heavy, 8d. to 8 $\frac{1}{2}$ d. for fair to good fair, 7 $\frac{1}{2}$ d. for grey, and 7 $\frac{3}{4}$ d. for light; 238 bags Singapore were bought in at 8 $\frac{1}{2}$ d. for fair and 8 $\frac{3}{4}$ d. for grey; also 80 bags fair Tellicherry were retired at 9d. Market privately is quiet, at 7 $\frac{1}{2}$ d. for fair Singapore, 8 $\frac{1}{2}$ d. for Tellicherry, and 8 $\frac{3}{4}$ d. for Lampung. Arrival prices are easier: August-October shipment of Singapore have been sold at 7 $\frac{1}{2}$ d. c.i.f. d.w. All the offerings of white pepper at auction were bought in. Private market is inactive, with sellers of fair Singapore at 9 $\frac{1}{2}$ d., Muntok at 10d., and Penang at 9 $\frac{1}{2}$ d. Arrival prices are easy, with sellers of Singapore for July-September and August-October shipment at 9 $\frac{1}{2}$ d. c.i.f. d.w.

PHENACETIN for prompt delivery remains scarce at about 85s. to 86s. in small lots, and rather less for shipment.

PHENAZONE is offered at from 64s. to 65s. per lb.

PIMENTO.—At auction 304 bags were bought in at from 3 $\frac{1}{2}$ d. to 3 $\frac{3}{4}$ d. per lb.

POTASHES remain in small supply, first Montreal offering at 205s. per cwt. on the spot.

POTASH IODIDE.—The exports from Japan during March were 12,871 kin, valued at 94,377 yen. For the three months ended March 31 they were:

	1914	1915	1916
Kin	22,223	53,169	41,318
Yen	147,552	388,057	305,972

Of crude *iodine* the exports in March were *nil*; during the three months ended March 31 they were 150 kin, against 1,185 kin in 1915 and 8,377 kin in 1914.

POTASH PERMANGANATE is quoted at from 8s. 6d. to 9s. per lb. for prompt supplies. It is said that the French Government has prohibited the export.

POTASH SULPHOGTAUACOLATE is dearer, the spot value being about 75s. per lb.

QUININE remains a dead letter so far as the second-hand market is concerned, and prices are as given last week.

SHELLAC is quiet, with small sales on a basis of 92s. for fair TN Orange; good is quoted at 93s.; fine Orange is worth 115s., to 120s., AC Garnet 89s., and GAL 84s. per cwt. on the spot.

SODA NITRATE.—The Russian Government Committee of the Commission Internationale de Ravitaillement, India House, Kingsway, London, W.C., announces that all shipments to Vladivostock of nitrate of soda, 95 per cent. to 96 per cent. with 1 per cent. salt, will be requisitioned by the Russian Government at a price not exceeding 15s. per ton; also nitrate of soda used for agriculture, at a price not exceeding 12s. per ton, ex ship Vladivostock, on the arrival of such shipments at Vladivostock, unless shipped with the previous authorisation of the Russian Government Committee in London, which must be obtained before shipment from port of origin.

SULPHUR is steady. Sicilian flowers offering at 14s., roll at 13s., and *rock* at 12s. per ton ex wharf.

TARTARIC ACID quiet at from 3s. 7d. to 3s. 8d. per lb.

TURPENTINE is lower, American on the spot closing at 4s. 1½d. per cwt.

WAX (JAPANESE) is easier for forward delivery, offering at from 69s. to 70s. per cwt. c.i.f.

Continental Drug and Chemical Markets.

The following notes refer chiefly to the Hamburg and Berlin markets during the week which ended May 23:

AMMONIUM CHLORIDE is higher, owing to scarcity of raw material and increased demand. Crystallised technical is m.80 to m.85 per 100 kilos., and chemically pure m.95 to m.100.

BROMIDES.—The reduced prices now quoted by makers are: Potassium bromide, m.130 to m.150 per 100 kilos.; sodium bromide, m.155 to m.175; and ammonium bromide, m.170 to m.190.

CITRIC ACID.—Rather large quantities have been offered, though importation *via* neutral countries remains very difficult. Demand is not active, and prices remain at m.15 to m.15.25 per kilo. for lead-free, crystals or powdered.

NAPHTHALINE cannot now be had from the makers. The small quantities which are still made have been sold months ago, and are quite insufficient to meet the demand.

OPIUM.—Lower, as offerings are large and demand inactive; 10-per-cent. morphine can now be bought at m.50 per kilo. The new crop is smaller than usual. Constantinopoli stock was on May 6 697 cases, against 420 cases last year.

PETROLEUM.—According to a decree of the Imperial Chancellor, petroleum may not be sold to retail traders from May 1 until August 31, 1916, and to consumers from June 1 to August 31, 1916.

QUICKSILVER.—In very active demand, and, as importation is very difficult, prices have advanced to from m.390 to m.400 per bottle.

QUILLIA fetches m.280 to m.290 per 100 kilos., as stocks are low.

RHATANY is m.250 per 100 kilos. now.

SODIUM BICARB.—Production has been reduced by all makers, and the price has advanced by a few marks per 100 kilos.

TARTARIC ACID.—Inactive and without change in the last quoted prices.

THYMOL is still to be had at m.80.

WAXES.—‘Bees’ is higher, in consequence of active demand, and is not to be had under m.700. The demand for *Candelilla* is increasing, now that the prices for carnauba wax are so high. *Carnauba* has been sold at m.850. *Japanese* is quoted at m.750 per 100 kilos. *Montan* has been sold in increasing quantities on speculative account.

Arrivals of Chemicals, Drugs, etc.

The following is a selection of arrivals during the period June 7 to 13, inclusive, in the English ports named. Goods in transit are not included. The figures refer to the packages—*e.g.*, cases, bags, barrels, boxes, kegs, etc. The weights, when known, are specified:

To London.	Galls (Ch.)	669 cs., (B'bay) 106	To Liverpool.
Acetic acid (Boston)	Glycerine	46 dms.	Acetic ac. (Boston)
28 brls. (R'dam) 20	Ground-nuts	1,225 t.	69 brls., (N.Y.) 377 brls.
blns.	1,432 bgs.		Agar-agar 20
Agar-agar 57	Gum acacia (P.		Albumen 20
Albumen 163	Sudan) 23,008 bgs.,		Aniline oil (N.Y.) 41
Alcohol, gr. (N.Y.)	(B'bay) 310		dms.
170 dms.	G. copal 189 bgs. 175		Antin, ore 3,398
Alcohol, wood (N.	es.		Arachis oil 6,545 cs.
News) 139 dms.	G. damar 203		75 dms.
Aloes (Cape) 39	Gums, undescribed		Balsams (N.Y.) 35 cs.
Anise oil, star 115	(Lisbon) 82 cs.		Barytes 1,400
Annatto-seed (E.I.)	Honey (N. News)		Bay-rum 3 pkgs.
15	376 cs., (N.Y.) 191		Benzol (N.Y.) 30
Alumina sulph. 350	(Fr.) 22		dms.
Ammon. anhyd. 20	Hyoscyamus nut.		Chemicals (N.Y.) 45
eyl.	(Egypt) 108		dms.
Ammon. phosph.	Indigo (E.I.) 45		Chloral hyd. (N.Y.)
(N.Y.) 102 brls.	Lemongrass oil		15 pkgs.
Antim. crude 800	(Cochin) 25		Cocoanut oil (Cey.)
Antim. oxide 20	Lemon-juice (Sic.)		306 pps. 54 hds. 48
Apricot-kern. 240	14 pps.		pkgs.
Arachis oil 51 cks.	Linseed (E.I.) 21,573		Cod oil (Jap.) 200
1,735 cs.	Liquorice-juice (It.)		Copra 6,289
Argol (Lisbon) 269	20 cs.		Cream of tartar
Barium chlor. (It.)	Milk-powder 60 cs.		(Fr.) 74 cks.
67 cks.	230 brls.		Cubebes 8
Barytes 5,520	Milk-sugar (A'dam)		Fish oil (Jap.) 3,000
Bismuth ore 105	50		Formaldehyde (N.Y.)
Cafe, carbide 7,550	Nutmegs 163 cs.		215 brls.
dns.	Olibanum 272 cs.		Formic acid (Fr.) 47
Cafe. citrate (Sic.)	Olive oil (It.) 66 cs.,		Galls (Ch.) 103
86 cks.	(Fr.) 16 cs.		Ginger (Jam.) 320
Cafe. ferrocyan. 26	Opium (B'bay) 68		Ground-nuts 2,744
cks.	Orechella-weed 19		G. copal 10
Cafe. phosph. (N.Y.)	Pepper 650		Gums, undescribed
.78 brls. 37 cs.	Peppermint oil		(W.C. Af.) 255
Camphor ref. 67	(N.Y.) 10		Honey (Jam.) 75
Capsicums 80	Perfumery (Fr.) 21		cks., (N.Y.) 200
Cardamoms 176	Petrolatum 25		cks., (Fr.) 50 cks.
Cascara sag. (N.Y.)	Potash carb. 15 dms.		Lead acetate 75
222	Quinine (Amst.) 55		Liquorice-ju. (Fr.)
Casein 130	es.		90 cs.
Cashew-nuts 364	Rape oil 650 cs.		Magnesite 3,795 t.
Cassia 550 bls. 500 cs.	Rhubarb 41		Menthol 15 cs.
Cassia-buds 50 cs.	Roots and herbs		Milk-powder 10 cs.
Castor oil (E.I.) 100	(Genoa) 38 pkgs.,		Olive oil (Fr.) 3,468
Chaulmoogra oil 10	(E.I.) 143 bgs.,		cs.
Chemical products	(Sp.) 25 bls.		Palm-kernels 61,815
(Fr.) 20 cks.,	Saltpetre (E.I.) 2,000		bgs. 1,015 tons
(N.Y.) 48 pkgs.	Sandalwood 272		Palm oil 3,573 cks.
Chemicals, drugs,	Senna (Pt. Sudan)		Pepper 274
medicines, etc.	615 pkgs., (Tuti-		Peptone (N.Y.) 10
(Fr.) 74 pkgs.,	corin) 925		cts.
(Montreal) 20 brls.,	Sesame-seed 4,200		Perfumery (Fr.) 69
(N.Y.) 1,367 rkgs.	Shark oil 1,000 cs.		Petrolatum 40
Chillies (E.I.) 257	Shellac 325		Pieric ac. 522 brls.
Cinchona (E.I.) 492,	Soda caustic (N.Y.)		Pimento 553
(Lisbon) 85, (Java)	45 brls.		Potash perchlor. 50
841 bls.	Soda nitrate 33,071		brls.
Cinnamon 150	Soda perbor. (Fr.)		Potashes (Mon.) 10
Coconut oil (Cey.)	20 cks.		Rape-seed 19,577 bgs.
454 pps. 130 pns.	Sodium metal (It.)		Roots, barks, leaves,
103 hds. 61 evl. 227	100 cs.		etc. (N.Y.) 147
cks. 5,206 cs. 238	Soya oil 4,000 cs.		pkgs.
pkgs.	Tannic acid (N.Y.)		Saltpetre 1,000 bgs.
Cod-liver oil (Norw.)	36		Sarsaparilla (Jam.)
200 brls.	Tartar (It.) 164 cks.		3 bls., (Boston) 100
Colocynth (Pt.	Tartaric ac. (It.) 104		bls.
Sudan) 43	brls. 100 cs.		Senna (Cey.) 350
Copa 809 bgs.	Thymol (C'cutta) 8		Soda ash (N.Y.) 170
Cream of tartar (It.)	es.		Soda caustic (N.Y.)
90 brls.	Turmeric 1,439		34 dms.
Dom nuts 520	Turpentine (U.S.A.)		Soda nitrate 89,742
Drugs (Dieppe) 17	900 brls.		bgs.
es., (Boston) 81	Urea 9 cs.		Soda perbor. 28
bxs.	Vaseline 20 brls. 247		Soya oil 120
Ergot (Lisbon) 10	es.		Tartaric ac. (N.Y.)
Essential oils (Sic.)	Wax, bees' (E.I.) 36,		14 brls.
22 pkgs., (N.Y.)	(Aden) 197,		Wax, bees' (W.C.
29 cs. (Ch.) 50 cs.	(R'dam) 34		Af.) 109 blocks.
Fish oil (Jap.) 150	Whale oil 500 cs. 700		182 pkgs.
Formaldehyde (N.Y.)	7,800 brls.		Wax, veget. 19
269 brls.	Witch hazel (N.Y.)		Whale oil 2,000 cs.
Farmic ac. (R'dam)	30 brls.		Wood oil 45 brls. 22
36 bns.	Wood oil 2,260 cs.		dms.
Galangal 100	85 dms.		To Folkestone.—Drugs (Fr.) 23 pkgs.; perfumery (Fr.) 75 pkgs.
			To Hull.—Acetic acid (N.Y.) 56 brls.; boric acid (It.) 109 brls.; chemicals (Norw.) 110 cs.; coconut oil 80 cs.; cod-liver oil (Alesund) 160 cks.; cream of tartar (Palermo) 4; gum copal (W.C. Af.) 3,415 pkgs.; lead acetate (N.Y.) 32; olive oil (It.) 56 cs. 50 ½-cts.; 100 brls.; oxalic acid 13; palm-kern. 35,477 bgs. 1,579 bkt.; palm oil 521 brls.; rape-seed 30,204 bgs.; roots, barks, etc. (Fr.) 33 pkgs.; soda ash (N.Y.) 199; soda caustic (N.Y.) 348 dms.; soda permanganate (Fr.) 9 brls.
			To Manchester.—Aniline oil (N.Y.) 66 dms.; arachis oil 90 cs.; calcium phosph. (N.Y.) 508 kgs.; cimethylaniline (N.Y.) 24 dms.; drugs (U.S.A.) 96 pkgs.; farina 50; formaldehyde (N.Y.) 224 brls.; formic acid 40 cks.; glycerin 4 dms.; lead acetate (Fr.) 19 cs.; oxalic acid 23 cks.; paranitroaniline (N.Y.) 18 brls.; soda chlorate (Fr.) 600 cks., (U.S.A.) 500 dms.; soda nitrate (Fr.) 74 cks.
			To Southampton.—Perfumed spirits (Fr.) 17 pkgs.



Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

John Fletcher, of Cheltenham.

(An Appreciation.)

SIR.—For many years I had the pleasure of serving as a fellow-examiner with John Fletcher. We had many tastes in common; he loved a country walk, and was interested in the country flora. We snatched an hour or two after an examination-day to rush down into Essex to see the tuberous pea or sulphur clover, or to Hampstead to see the plants mentioned by Gerard as growing there, or to Putney to gather the local *Scirpus triquetus*. He was a keen examiner, and, if he erred at all, it was in expecting from the candidate as great a knowledge of practical pharmacy as he himself possessed, and perhaps failing in some measure to allow for the deficient training from which so many a student suffered. But he was really a kind-hearted man, ready to do a kindly service to anyone. He had a high ideal of his profession, and this made him deservedly respected in his beautiful town. Through his kindness I was made acquainted with the occurrence in its vicinity of one of our rarest British plants—*Ranunculus ophioglossifolius*—which still remains there. Year by year the sterling pharmacists of the type of Schacht and Stoddart of Clifton, Brady of Newcastle, Drane of Cardiff, Deane of Clapham, and Corder of Norwich disappear; to this band John Fletcher belonged, and pharmacy is the poorer for his loss. The curse of company-pharmacy and multiple-shops renders it difficult for individuals, such as those mentioned, to hold their own; or, rather, men with ability such as those possessed now find a more remunerative occupation in other lines of business. Undoubtedly such men raised the level of pharmacy, and their example should not be forgotten even in these strenuous times. Many of us will feel a keen sense of pain in this the most recent loss, not only for an honoured and honourable member of his calling, but for a warm-hearted and loyal friend.

Yours faithfully.

G. C. DRUCE.

Foreign Fellows.

SIR.—The close vote against the exclusion of German honorary members from the Chemical Society which was referred to by "Xrayscr II." recently has been bettered by a well-known learned Society of the Council of which a friend of mine is a member. Not only was a similar proposal rejected by an overwhelming majority, but the expressions of regret that it should ever have been introduced were so strong that I am assured the Society would not care to be named in connection with it. That the feeling expressed in this vote is not confined to us and our Allies is evident from an allusion to some words of an eminent German scholar in the current number of the "Journal of Egyptian Archaeology":

"I cannot," says the writer, "conclude this bibliography, the second published since the war broke out, without expressing the hope that it may also be the last to appear under such conditions, and that the present breach in the relations of the various countries may leave no permanent estrangement. The spirit which breathes from the greater part of Wilamowitz's fine rectorial address has found a ready response in this country, and we must hope that he is needlessly pessimistic in his view of the immediate future. As soon as the war is over it will be a matter of the most urgent necessity to rebuild the fabric of international scholarship which now lies in ruins, and rebuilt, sooner or later, it will surely be."

I may also recall the fact that the Russian Academy of Science has considered a similar proposal to Dr. Moody's and has declined to remove German honorary members from the list during the war. It is a curious fact that Dr. Moody and his associates in the Chemical Society have said nothing about the German Fellows of the Society who are ordinary members and whose names appear in the last issued list of Fellows "corrected to August 1915."—Yours faithfully,

H. J. B. (240/96.)

Cost of Insurance Prescription Checking.

SIR.—I append a copy of a letter sent on June 8 to the National Health Insurance Commissioners concerning deductions from my accounts. I do not know what my fellow country chemists think about what is (in my opinion)

extortion pure and simple, and would like to see their thoughts expressed in the columns of your esteemed journal. If Pharmaceutical Committees, Checking Bureaus, etc., be necessary for the effective administration of the National Health Insurance Act, surely their expenses ought to be met by the Government, instead of wantonly saddling them on a class which all along has been quite sufficiently shabbily treated. What with the paltry dispensing-fees, ridiculous establishment-charge, old-womanish, cheap, rubbishy, Formulary prescriptions (or, rather, recipes), postage on scripts, and the still possible chance of further discounting, I should think the patience of the craft is getting somewhere near breaking-point. When the Insurance Act came into force I was selling a fair amount of 1s. mixtures for simple ailments. As the sales began to dwindle, I concluded it was a matter of "robbing Peter to pay Paul," but now find it a matter of "robbing Peter to rob Paul also." It is of little use railing at the Pharmaceutical Society, B.M.A., or N.H.I. Act officials (each body has its own little axe to grind); but let all the craft shake off these enchaining and mean oppressions by standing united against signing on again for next year. It must be "all." To be "all" there must be absolute unity. I hope some more able pen than mine will take up our grievances, which will never be redressed without a powerful and palpable agitation by a strong organisation of our forces. It is a case of kick or be kicked, and there is an impression abroad that the poor chemist cannot (or dare not) do the former.

Yours sincerely,

J. P. (247/38.)

P.S.—With regard to our local Formulary, one of the prescriptions (?) consists of—

Treacle	...	...	...	2 oz
Spirits of chloroform	...	...	1 dr.	
Tap-water to make	...	...	4 oz.	

It must have taken "some" brain to devise this.

[The following is the substance of the letter which "J. P." sent to the Insurance Commissioners:]

"I notice that 4s. 2d. has been deducted from my March account, amounting to 2½ per cent. on 8l. 4s. 8d. on account of expenses of Pharmaceutical Committee. This makes in all 13s. 10d. deducted so far this year. I beg to inform you that, in my opinion, this is an illegal, unjust, and arbitrary charge. The paltry dispensing-fees and ridiculous establishment-charges do not justify any deduction whatever from my strictly net accounts. I must, therefore, request that the amounts deducted be refunded as early as possible, and my accounts in future paid in full. To make a deduction amounting to 6d. in the £ from accounts for drugs, etc., charged at cost price is most oppressive, and ought to be discontinued at once. The injustice and lack of business morality in making deductions from goods charged at cost price is most glaring, and is bearing very hardly on the small country chemist, for reasons which are quite obvious. The method of the purchaser of goods, taking the pricing out of the hands of the seller, is not to be recommended, and takes away the privilege of a salesman to make a profit on the goods he has bought."

We may recall that Section 33 of the National Health Insurance Act, 1913, empowers Insurance Committees to pay Pharmaceutical Committees from the Drug Fund up to ½d. per insured person, thus reducing the allotment for drugs and appliances to 1s. 5½d. per insured person. Article 8 of the Medical Benefit Regulations, as amended, came into force this year, and enables Insurance Committees to deduct from accounts of chemists a ratable proportion of the sum allotted to the Pharmaceutical Committees. In full knowledge of this fact, the Pharmaceutical Society instructed Pharmaceutical Committees to apply to Insurance Committees for the halfpennies obtainable, amounting to over 20,000. a year. The money now deducted from chemists' accounts for checking, etc. (not pricing), is the ratable proportion of what has been paid by the Insurance Committee to the Pharmaceutical Committee. Of this payment the Pharmaceutical Society get two-fifths for checking the pricing done by the Pricing Bureaus set up by the Insurance Commissioners at the beginning of this year. The Insurance Commissioners and Insurance Committees did not want checking, which was set agoing solely by the Pharmaceutical Society. We explained this matter fully at the time, and warned the trade. Now chemists are realising that they have to pay the Society for checking. Letters to the Commissioners are futile, as they have nothing to do with the matter further than having made a regulation which meets the Society's desire.—EDIRON C. & D.J.

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Soluble Plaster of Paris.

J. B. (241/66) writes: "Can you tell me the composition of the variety of plaster of Paris used in taking impressions of the mouth in dental work, being afterwards capable of being dissolved away from the casts by the action of boiling water?"

The Long-suffering Apprentice.

"A propos to your correspondence in the current *C. & D.* (59/23). A wag here, who has charge of a neighbouring garage, was in the habit of playing a practical joke on each new apprentice. No. 1 was sent with a 2-oz. phial and 3d. in coppers for 3d. of pigeon's milk. Supplied 5j. tr. benzoin. simp. in 5j. aquæ. Later No. 2 arrives with a sixpenny-piece for 6d. of 'atmosphere.' This was supplied by simply corking an 8-oz. medicine-bottle and labelling 'Atmosphere.' —*The Boomerang* (224/28).

Hair-waving Fluid.

"With reference to your reply to 'Zeta' (200/8) in the *C. & D.*, June 3, p. 52, the following formula may be of interest:

Borax ...	95 parts
Sodium hyposulph.	5 parts

I have supplied this on several occasions, and it is, I believe, the formula used in the 'Nestle' permanent hair-waving process. I am not sure of the strength of the solution used, but believe the salts are used in the proportion of about 2 oz. to the gallon with 2 oz. of sp. vini rect." —*T. L. H.* (239/7).

Legal Queries.

The majority of difficulties in regard to trade law are explained in the legal section of "The Chemist and Druggist Diary," 1916, beginning on page 341.

June (55/28).—The position under the Military Service Acts of drug-store proprietors who are not registered chemists and druggists is the same as that of the man in the street. The only privilege that registered chemists and druggists have is in connection with Insurance Act dispensing, but drug-store proprietors who are not qualified are not usually recommended by the combined Committees (Insurance and Pharmaceutical) for exemption.

Ultra Vires (247/44).—CERTIFICATES OF EXEMPTION from military service are always open to revision, and in those granted of recent months there is always a saving clause to this effect. Where the military authorities require the revision of a certificate granted on the recommendation of the Insurance Committee, the Joint Pharmaceutical and Insurance Sub-Committee on Recruiting should be informed at once, as the Sub-Committee will communicate with the National Health Commissioners, and they, in their turn with the Army Council.

Medicine (245/45).—Those who have passed the Minor examination are not specifically exempted by the Scottish Universities from any of the subjects of the Medical Professional examinations. The English Royal Colleges at present consider applications by pharmaceutical chemists as to exemption from the botany and chemistry parts of the First Professional examination, but this depends upon the nature of the study which the pharmaceutical chemist had before passing the Major examination. No general ruling has been laid down in regard to the matter, each case being considered on its merits. The Scottish Universities are distinct and independent in such matters.

Miscellaneous Inquiries.

J. L. (236/52).—SETON-DRESSINGS.—Any irritant is suitable, and the following is recommended:

Oil terebinthinae,	
Acid, acetic.	aa. 5ij.
Liq. ammon.	5ss.
Oil. cetacei ad	5vij.—M.

Put as much tape as is required into a vessel and add as much of the liniment as will cover it and saturate it throughout. Other preparations employed are unguicanthar., ungu. arsenios., mustard, Venice turpentine, liq. ammon. fort., iodine, hyd. iod. rub., as well as oil of turpentine.

M.P.S., Doncaster, is not an address which satisfies this department. All questions asked must be accompanied by the name and address of the querist.

Glucose (243/26).—GLYCERIN-SUBSTITUTES.—In place of glycerin in hair-washes we suggested some time ago the use of Turkey-red oil or sulpho-ricinoleate of sodium. For this purpose care must be taken that the oil is neutral. It mixes with water, and as one of the commercial uses of Turkey-red oil is to give a finishing gloss to linen threads, it seems worth trying for the purpose suggested.

J. B. (241/66).—HARDENING PLASTER-OF-PARIS MODELS.—The following are the liquids employed for this purpose:

I. Borax, 1 part; water, 50 parts. Boil the dried plaster cast in the solution.

II. Saturated solution of sodium bicarbonate. Place the cast in this liquid until saturated; remove, and dry.

III. Barium chloride, 1 part; water, 10 parts. The dried cast is placed in the solution for fifteen minutes. An alternative method is to place the cast in a 5-per-cent. solution of barium hydrate, dry it, and then soak in a 10-per-cent. solution of oxalic acid for some hours.

J. L. (Malta) (232/55).—(1) We cannot undertake to analyse the sample of mixture you send. (2) The cases of substitution to which you refer seem to warrant the intervention of the authorities if there are local laws dealing with the sale of drugs. (3) You might prepare a small quantity of distillate from the variety of peppermint and compare it with that from official varieties.

Tara (243/3).—(1) ELECTRICAL APPLIANCES of the kind that are worn on the body and stated to give off constant and beneficial currents of electricity are of doubtful value and cannot be recommended, with any hope of obtaining relief, in the case of patients suffering from "indigestion, constipation, sleeplessness, and general weakness" who have exhausted the resources of medical treatment. We should, in preference, recommend a system of graduated exercises. (2) RINGWORM IN CATTLE.—Mercury-perchloride solution is used of the strength of 10 gr. in 1 pint. This is dabbed on the part frequently. The strength might be doubled without ill effect, but we are unable to state what is the strongest solution it is safe to use.

G. A. S. (243/30).—PRINTING-ROLLER COMPOSITIONS.—These need not necessarily contain glycerin, the older compositions being mixtures of glue and molasses. The following are two representative recipes:

I. Soak 8 lb. of glue in as much water as it will absorb; remove excess of water, melt, and add 7 lb. of hot molasses.

II. Soak glue 64 lb. in water 48 lb., then melt together and stir in linseed oil 96 lb., previously heated to 150° F. Next add molasses 64 to 96 lb., according to season, then calcium chloride 3 lb., and, finally, resin 8 lb., previously melted.

The calcium chloride is added with the intention of keeping the rollers in a moist condition. The resin imparts a toughness to the rollers. The compositions are cast in metal moulds, which are oiled to prevent adhesion. One form of composition contains potassium bichromate, which has the property of rendering the glue insoluble after exposure to light.

W. J. B. (238/28).—The method of removing carbon from the cylinders of motors referred to in the *C. & D.*, June 3, p. 52, is generally carried out when the car returns from a run. The cylinders are then ready heated.

T. J. A. (238/36).—STRAW-HAT CLEANER.—Cream of tartar is the best form of non-poisonous straw-hat cleaner.

Phenazone (239/25).—EQUIVALENT OF CAPSICIN TO CAPSICUM.—Chillies yield from 10 to 15 per cent. of extract. As this is extracted by means of ether, about half of it is fatty matter, leaving 6 or 7 per cent. as the yield of capsicin. Owing to the difference of solvent used for extraction, the whole of the capsicin will not dissolve in spirit; but as the British Pharmacopœia tincture gives 1.25 per cent. of extractive (w/v)—i.e., 5 to 5½ gr. per oz., or 100 to 110 gr. per pint—an equivalent could be made from any particular sample of capsicin by making the necessary adjustment.

Iodine (69/23).—BOOKS ON COLLOIDAL CHEMISTRY.—See *C. & D.*, June 10, p. 52.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," June 15, 1866.

Pharmaceutical Society Conversazione.

Many valuable works of art were displayed in the rooms. Mr. T. Morson, jun., sent several pictures, including a most interesting water-colour sketch by Geo. Cruikshank, entitled "Shakespeare's First Appearance on the Stage of the Globe in 1564, with some members of his Company." The fact that this powerful work was recently executed by the great artist whose name was famous in the early part of this century is not more extraordinary than the fact that George Cruikshank himself enjoyed the conversazione quite as much as the youngest student present did.

PEARS



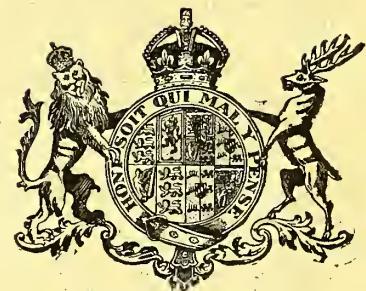
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SOAP MAKERS

BY APPOINTMENT

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GOLDEN SERIES.

No. 900.	Speedy Shaving Powder	1/-	each
„ 901.	Opaque Shaving Sticks	1/-	„
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VIOLET POWDER AND FULLER'S EARTH.

No. 640.	$\frac{1}{4}$ lb.	Violet Powder	4½d.	each
„ 641.	$\frac{1}{2}$ lb.	„	9d.	„
„ 642.	1 lb.	„	....	....	1/5	„
„ 626.	$\frac{1}{4}$ lb.	Fuller's Earth	4½d.	„
„ 627.	$\frac{1}{2}$ lb.	„	9d.	„

HEAD OFFICES: LONDON, 71-75 New Oxford St., W.C.

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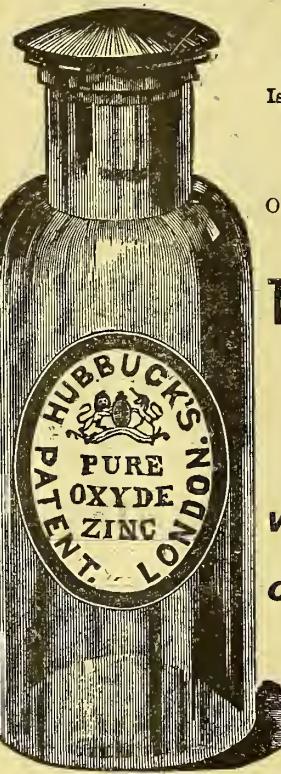
Sold by the following Wholesale Druggists
in Boxes of 7 lbs. and 14 lbs. stamped by
the Manufacturers; also in 1-lb. Boxes and
1-lb. Glass Bottles:—

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Co.
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Carter, Carter & Kilham,
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Finley & Branswig, New
Orleans.
Langley & Michaels, San
Francisco.
Lehn & Fink, New
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Hirst, Brooke & Hirst.
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Of Pure Oxide; in fact the impurities are
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Re-education of the Intestine.
Constipation, Enteritis, Hæmorrhoids,
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Powerful Urinary Antiseptic.
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Scientific Suppositories.
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New Scientific Preparation for Syphilis,
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Antiseptic for local Gynecological use.
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Internal remedy for Women's diseases,
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Remedy for Intestinal Disorders, Dysentery,
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IN FORM OF PURE CRYSTALS.
ALSO ANHYDROUS POWDER.

WE ALSO MANUFACTURE
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OF CALCIUM, PURE
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GLYCEROPHOSPHATE
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(See also advertisement for SANTONINE, page xvi)		

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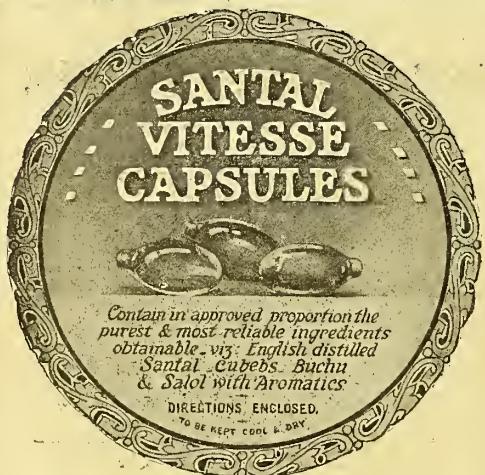
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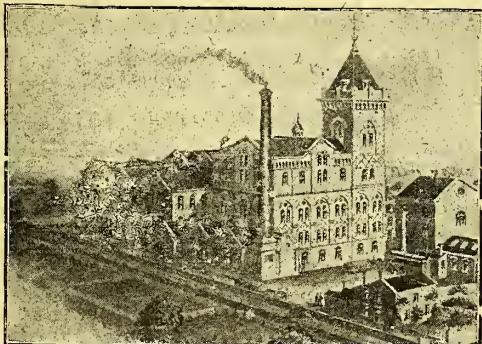
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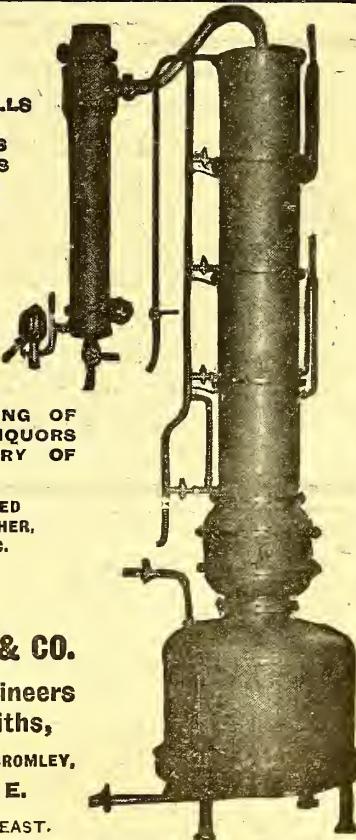
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CITRIC ACID
TARTARIC ACID
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And all products used in the Pharmaceutical
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THE BRITISH DIAMALT COMPANY

ARE NOW SELLING
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1. Dry DIAMALT	5. Liquid DIAMALT (with 15% by weight of Cod Liver Oil).
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The product of an allied country PERFECTLY REPLACES

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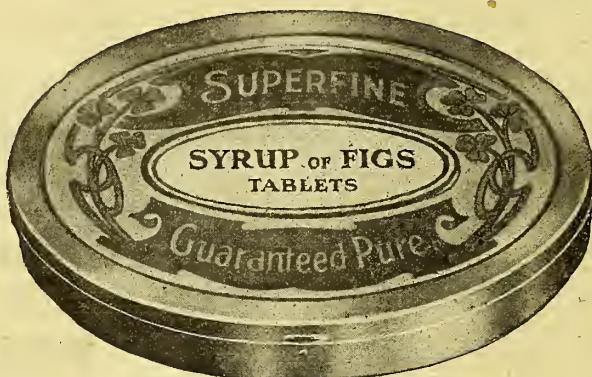
In 4 oz., 8 oz., and 1 lb. Tins, also in bulk quantities.

To be had from Wholesalers, or direct from

CHAS. ZIMMERMANN & CO. (Chemicals), Ltd. (British Firm), 9 & 10 St. Mary-at-Hill, LONDON

A GOOD IDEA and well carried out.

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Decorated tins of 40 tablets, **3/9** dozen.

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Papain, 1-80, 1 oz. @ 3/- oz.
Paraffinum Durum, B.P., 2 cwt. @ 5d. lb.; 1 cwt. @ 6½d. lb.; 56 lbs. @ 6½d. lb.; 7 lbs. @ 7d. lb.; Molle Flav., B.P., 3½ cwt. @ 37/- cwt.; 1 cwt. @ 44/- cwt.; 28 lbs. @ 5d. lb.; 7 lbs. @ 6d. lb.; Alb. B.P., 3½ cwt. @ 7½/- cwt.; 28 lbs. @ 9½d. lb.

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Potass. Permang., Cryst., 2 lbs. @ 8/- lb.

Potass. Prussias Flav., 7 lbs. @ 4/6 lb.
Pulv. Cretæ Arom., P.B., 14 lbs. @ 8d. lb.; c. Opio, B.P., 7 lbs. @ 2½d. lb.

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Quassia Chips, 1 cwt. @ 40/- cwt.; 28 lbs. @ 5d. lb.

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Quinine Ethyl Carb. (Tasteless), 10 oz. @ oz.

Quinine Hydrobromas, B.P., 25 oz. @ oz. @ 10 oz. @ oz.

Quinine Hydrochlor., B.P., 25 ozs. @ 4/10 oz.; 10 ozs. @ 4/11 oz.

Quininae Sulph., B.P., 100 oz. @ 3/5 oz.; 25 oz. @ 3/7 oz.; 10 oz. @ 3/9 oz.

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These Wafers average 120 to the ounce.
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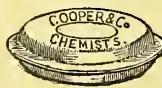
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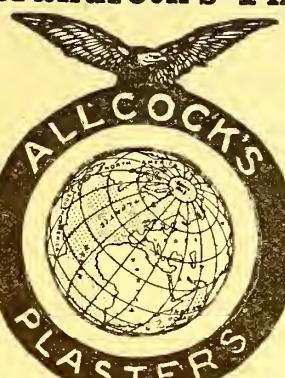
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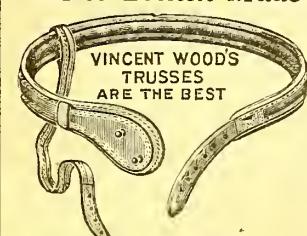
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Sister Lauras Food is achieving great
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Minimum Retail Price	1/2	2/10	4/9	11/6
PRICE TO TRADE	11/9	29/6	48/9	117/6

(Per Dozen)

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THE CHEMIST & DRUGGIST & SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, JUNE 17, 1916.

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

PROVIDED the **MONEY** is **TELEGRAPHED** at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 2617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

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The Chemist and Druggist
Supplement secure. Not in-
definite returns from spasmodic and inflated
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best possible in the Drug Trade. It gives

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Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

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1.—HOMÉ COUNTY (Few Miles Out).—Well-established Business, together with Optical connection; *net income over £500 per annum*; terms, stock and fixtures at valuation and sum for goodwill will be arranged equitably.

2.—MIDDLESEX.—Good middle-class Business, Dispensing and Retail; held by vendor many years; returns £2,500; terms, one year's net profit and valuation of stock and fixtures; having known this business for some years we can personally recommend it to your notice as a bona-fide investment.

3.—LEE GREEN (Death Vacancy).—Sacrifice for immediate transfer; good middle-class Business; position unique; returns £1,000, with scope for large extension; price about £400; must be sold.

4.—LONDON, W. (Death Vacancy).—Good-class Business; no immediate opposition; returns £1,000 yearly; *net profit £300*; modern, well-fitted shop; price £750; full investigation invited.

5.—LONDON, N.—Ready-money Business, together with small Wholesale; excellent position in main shopping thoroughfare; returns under Assistant between £1,500 and £1,400; *net profit about £450*; for a prompt sale about £750 would be accepted.

6.—CITY (Near Main Thoroughfare and in Busy Part).—Ready-money Business, capable of much extension; returns £900 to £1,000; *good profits, above the average*; very moderate price will be accepted, say about £325.

7.—NORTHERN SUBURB.—Middle-class Retail, chiefly ready money; returns average between £1,050 and £1,100; *net profit £450*; price about £600.

8.—GREAT CENTRAL MAIN LINE (Death Vacancy).—Old-established Business, situate in good-class business town; returns £2,000; well-fitted shop, in good position in the Market Place; comfortable house, all in good repair, garden and fruit trees; about £700 required.

9.—INLAND HEALTH RESORT.—Dispensing and Retail; all good middle-class trading; returns upwards of £3,000 yearly; vendor would entertain a partnership with a view to the incomer taking up the whole within a given period.

10.—NORTH-WEST OF ENGLAND.—Mixed Country Business, with own Proprietaries in good demand; steadily increasing returns, now about £2,850; terms, stock and fixtures at valuation and sum for goodwill to be agreed.

11.—SUSSEX.—Good-class Business, established many years; returns £826; *net profit £300*; comfortable residence, private entrance and garden; rent moderate; price £650.

12.—BRISTOL CHANNEL (Health Resort).—Neglected Business; returns about £500; excellent opening for a pushing man; terms, valuation of stock and fixtures.

13.—SHROPSHIRE (Small Market Town).—Well-established Business, held by vendor upwards of 22 years, now retiring; returns £1,200; rent £35, which includes comfortable residence; terms, simply the value of stock and fixtures; part payment if desired.

14.—DURHAM.—Well-established Business; returns under unqualified management £600; no near opposition; price £300, estimated value of stock and fixtures.

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Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.**, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss**.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

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Telegrams, "Brett Leicester."

Telephone 1934.

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£600 returns.—MIDLANDS.—Medium-class Light Retail and Prescribing; growing district; valuation about £250.

Valuations conducted upon the shortest notice at moderate fees.

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NO CHARGE TO PURCHASERS.

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2.—N. WALES (Death Vacancy).—Good Family Retail and Dispensing, in popular health resort; returns £500; no sidelines; plenty of scope; low rent; large shop; fine position; same hands 20 years; price £200, or valuation.

3.—HOME COUNTY (35 Miles Out).—First-class Dispensing and Retail Business in most desirable town; returns £1,200; excellent profits; plenty of scope; good house, etc.; price £700, or £100 and valuation; personally recommended.

4.—SUSSEX COAST (Rising Town).—Well-established Light Retail Business, in good unopposed position; returns about £650; scope for increase; net profit £180; splendid house, nice garden; price only £275.

5.—MIDLANDS (Death Vacancy).—Light Family Retail and Agricultural, in pleasant market town; easy hours; returns £900; net profit £300; good opening for Photo and Optics; one other Chemist; price £425, or first reasonable offer.

6.—LONDON (Near City).—Quick Cash Retail Business, in busy marketing centre; returns about £2,000; excellent profits; smart, up-to-date Pharmacy, fully stocked; price £950; part can remain.

7.—LONDON, W.—Old-established Light Family Retail, in prominent position; returning last year £1,400; net profit over £300; now under management; excellent premises, can easily let off half rent; price £400, bare valuation.

STOCKTAKINGS.

Appointments for stocktakings and valuations should be made early. Full particulars and terms sent on application.

Why you should have stock taken is very clearly defined on page 135 of the *C. & D. Diary* for this year. Have you read it?

PARSON C. BAKER

Pharmaceutical Chemist,

TRADE VALUER AND TRANSFER AGENT.

Recommended by British Drug Houses, Ltd.; Meggeson & Co.; Barclay & Son. Tel. No.: FINCHLEY 812.

VALUATIONS, ESTIMATIONS, EXAMINATIONS, AND FULL REPORTS, Town or Country, on moderate terms.

No charge whatever to vendors or purchasers except by agreement.

Personal Attention
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40 years' Valuation
experience.

CORRESPONDENCE INVITED.

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THOS. TOMLINSON & SON

CHEMISTS' VALUERS, TRANSFER AGENTS,

AND EXPERT STOCKTAKERS,

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3s. 6d. for 50 words or less; 6d. for every
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The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

A NGLESEY.—For immediate Disposal, an old well-known established Business, in a country town on the Coast; good shop and house; leasehold; a yearly tenant has 5 acres of land which can be acquired; no goodwill; suitable for good Mixed Country trade. "F." (247/6), Office of this Paper.

B IRMINGHAM District.—Drug Stores for Disposal; double-fronted shop, in good surroundings, well fitted and stocked; good living accommodation. For full particulars apply, 84/16, Office of this Paper.

L ONDON (Charming District).—Retail, Prescribing, Dispensing, and Photographic; present returns £13 per week; scope for further increase; not on Panel. "Judd" (84/13), Office of this Paper.

S OUTH-WEST COAST Seaport.—Light Retail, Prescribing, and Shipping Business; very profitable; if not sold by the end of this month will be closed; owner joining up; any reasonable offer accepted. Apply, 73/17, Office of this Paper.

W EST RIDING, Yorkshire.—Light Retail, Prescribing, and Dispensing (not N.H.L.) Business for Sale; residential country town; with Photographic and own Proprietaries; returns about £1,100; good reasons for disposal. Apply, 82/11, Office of this Paper.

A SPLENDID Prescribing Business for Sale in a large town in Lancashire; genuine bargain to cash buyer; no agents need apply; family reasons sole cause of sale; takings increasing; net profit over £6 weekly; price £375 cash. Apply, 248/57, Office of this Paper.

C HEMIST'S Business for immediate Disposal in suburban district of Liverpool; populous locality; takings average about £13 a week; corner shop; rent £45 and taxes; immediate possession. For further particulars apply, Parkin S. Booth, F.A.A. (Accountant to the Association of Manufacturing Chemists, Ltd., Liverpool and London), 2 Bixteth Street, Liverpool.

C HEMIST'S Business for Disposal, with large house, part used as a boarding house, in Tenby, Pembrokeshire; turnover £600 per annum. Full particulars from Mr. Parkin S. Booth (Accountant to the Association of Manufacturing Chemists, Ltd.), 2 Bixteth Street, Liverpool.

DEATH Vacancy.—For immediate Disposal, genuine old-established good-class Chemist's Business in country town in the Midlands; in the hands of late proprietor 28 years; low rent; good living accommodation; no reasonable offer refused. Full particulars on application to "A. T. H." (83/40), Office of this Paper.

DRUG Stores for Disposal owing to husband being called up; will accept £30, fixtures, fittings, and goodwill; stock at value; rent £40; 6 rooms, large garden and stable; 3 rooms and stable let off at 8s. per week. Dignmans, 153 Eardley Road, Streatham, S.W.

EXCEPTIONAL Bargain.—Old-established Country Retail in prosperous country town; very much neglected; returns low; has done, and is capable of doing, good turnover with personal attention; large, roomy, well-fitted shop; 6-roomed house, recently redecorated throughout, warehouses and garden; Dispensing appointment covers rent, £35; price £120, much below valuation. "Cambs" (85/11), Office of this Paper.

FOR Sale, as a going concern, excellently fitted and well-stocked Chemist's Business in Lancaster; lease can be arranged. Full particulars from Parkin S. Booth (Accountant to the Association of Manufacturing Chemists, Ltd.), 2 Bixteth Street, Liverpool.

MUST be Sold.—Old-established Business in agricultural district; returns average £550; has done £1,000; neglected; plenty of scope for increase; rent £50; appointment pays half rent; good house, garden, warehouses, etc.; splendidly fitted shop, well stocked; price £400, or offer. Apply, "S." (84/34), Office of this Paper.

QLD-ESTABLISHED Business in Cardiff; main thoroughfare; well fitted, up-to-date stock; wine licence; turnover £1,500, all cash; owner joining up; price, valuation of stock and fixtures. 84/30, Office of this Paper.

£850 TURNOVER.—First-class Retail and Dispensing, no N.H.I.; suburb; business increasing and capable of doing £1,500; well-stocked and handsomely fitted Pharmacy; valuation terms; family reasons cause for sale. "Lemburg" (246/67), Office of this Paper.

FOR SALE.

DENTAL Surgery Fittings.—Archer Chair, White's Engine, Gas and Ethylchloride Apparatus, etc. Westlake, Selsey, Sussex.

FIXTURES.—Dispensing Screen, Mirror Centre, £4; Nest of Drawers, £6; 10 guinea Optical Test Case, £4 10s.; 50 Shop Rounds, Gold Labels, £2 10s. Apply, Bruton, 2 Walker Street, Hoole, Chester.

WHAT offers for 1,000 Ichthyl Tabloids, gr. 3; 14 lb. Potass. Permangan.; 4 lb. Paraldehyde; 1 lb. Acid. Pyrogallie. (Schering's); 8 oz. Hydroquinone; Winch. Lint. Bellad. Meth.; 1 lb. Ext. Bellad.; gall. Liniment. Aconit; 8 oz. Resorcin; 4 stone English Honey; Butyl. Chloral.; Indigo Blue; Caustic Soda in 1-lb. bottles; Morphia Suppositories. Address, "Bene" (85/1), Office of this Paper.

3 DOZ. 25's Sulphonals, 9 drachms Ol. Humuli, 20 Adamon Tablets, 2s. 6d. Uricedin, ½ oz. Euprinol, 2 1-oz. Tannalbin, 1 oz. Spirosal, 1 oz. Trional, 2 1-oz. Helmitol, 1 oz. Urotropin, 6 doz. Ceridin Pills, 2 25's Validol Perles, 1 oz. Dermatol, 25 Helmitol Tablets, 10 Validol Tablets, 2 Winch. Lin. Bellad. Meth., ½ oz. Hydronaphthol, 2 oz. Benzonaphthol ½ oz. Glycosal, 3 oz. Betanaphthol, ¾ oz. Orthoform, ¾ oz. Sajodin, 1 oz. Anesthesin, ¾ oz. Amidol, 1 oz. Metol, 1 ½ oz. Guainacol Carb., 2 lb. Am. Bromid, 1 lb. Ext. Bellad. Viride, 4 oz. Elix. Saw Palmetto and Santal Co. (P. D. & Co.), 10 Aperitif Tabs.; best offers accepted. Bailey, 61 Old Dover Road, Blackheath.

40 LB. Canada Balsam, strained; sample if required; all or part; first reasonable offer secures. 84/12, Office of this Paper.

60 DOZ. 25's Sulphonals Tablets, 5 grain, unlabelled; reliable make. Tozer, Hemsley & Fisher, Ltd., 84 Fenchurch Street.

AGENCIES.

CHINA and the Far East.—Representative of important firm of Wholesale and Export Druggists knowing the above markets thoroughly, and now preparing for further trip in the autumn, would be glad to hear from other good-class firms with a view to Representation. "Enterprise" (245/38), Office of this Paper.

FRANCE.—Gentleman with own Office in Paris (Opéra), Representative of an important English firm, having exceptional experience of the trade, large French and Spanish connection, wishes to take up first-class exclusive Agency for British Chemical Products, Crude Drugs, etc. Address, Droguerie Anglo-Espagnole, 66 Rue de Provence, Paris.

PRIZE COURT SALE.

IN PRIZE.

SALE BY TENDER.

MESSRS. CHURCHILL & SIM, BROKERS to the MARSHAL of the ADMIRALTY, are instructed to

OFFER for SALE by TENDER,
On WEDNESDAY, JUNE 21st, 1916,

Ex "DOMALD."

About 70 Barrels ROLL SULPHUR.

Now Lying in Liverpool.

Ex "KONG INGE."

About 1,370 Drums CALCIUM CARBIDE.

196 Kegs CHLORATE of POTASH CRYSTALS.

Now Lying in Leith.

Tenders to be addressed to:

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Tenders will be opened by the Marshal or his substitute.

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SALES BY AUCTION.

TRADING WITH THE ENEMY AMENDMENT ACT, 1916.

Re H. NICKEL & CO., 101-105 GOSWELL ROAD, LONDON, E.C. By order of the Controller, Hugh Wm. Dunn, Esq., Chartered Accountant.

The STOCK of a WHOLESALE MANUFACTURE of CHEMISTS' SUNDRIES, SURGICAL and TOILET GOODS, and the

PLANT, FIXTURES, and FITTINGS, and OFFICE FURNITURE.

The STOCK comprises:

250 GROSS CUT and MOULDED PERFUME SPRAY BOTTLES, 1,200 yds. Fleecy Cloth for Hot-water Bottle Covers, 500 yds. Silk, 80 dozen Swansdown Skins, large QUANTITY PARTLY MANUFACTURED STOCK and DRUGGISTS' SUNDRIES. White Metal Ice-bag Tops, 20 Pieces of Waterproofed Cloth, quantity Satin Ribbons, 15,000 pieces Loofa Washing Gloves and Material, Tooth-brushes, 100 gross P.M. PUFF BOXES, 100 gross Tooth Picks, 2,000 HOUSEHOLD, BATH, and DAIRY THERMOMETERS, LARGE QUANTITY RUBBER GOODS of EVERY DESCRIPTION, Indianrubber Bellows, Pipette Bellows, etc., Toilet and Manicure Sets and Requisites, expensive Surgical Instruments, large stock of Bone Soother Mounts, 200 gross Corn Solvent Bottles and Corks, Nasal Inhalers, Glass and other Syringes, Showards, Cardboard Boxes, Wrapping Papers, Gilt Tops for Perfume Sprays, all kinds of Douche Cans, 100 dozen Tooth Creams and Paste, large quantity of Glass Chemists' Sundries, 200 pairs American Split Wood Crutches, China Spitting and Shaving Mugs and Feeding Cups, 7 dozen large Glass Puff Bowls, 200 dozen Menthol, Glass Perfume and Smelling Bottles, 250 dozen Nurses' Nail Scissors and Clippers, Stock of unfinished Sponge Bags, Bathing Caps, Washing Gloves, Finger Stalls, etc., also the well-made

FIXTURES, FITTINGS, and OFFICE FURNITURE, Oak Roll-top Desk, Clerks' Desks, Writing Tables, Chairs and Stools, two Oak Quadruplex Letter Files and Card-index Files, Yost Typewriter, Shannon Rapid Roller Copier, three Omega Gas Stoves,

A 48-in. 12 CORNER BENT STEEL SAFE by J. TANN, 1,500 small Packing Cases, Trolley, Ranges of Shelves, two large size "Oresse" Anthracite Stoves,

PLATE-GLASS COUNTER, WALL, and CENTRE SHOWCASES, Instrument Showcases, Dials, Nests of Drawers, Partitioning, Benches, etc., Power Bench, and 12 Singer's Sewing Machines, three ditto on Treadle Stands, powerful Label-punching Machine, 2-h.p. Electric Motor, Heavy Screw Press, Pinking, Eyeletting, and other Machines.

MRS. FRANK G. BOWEN

will SELL by AUCTION, on the PREMISES, as above, on WEDNESDAY and THURSDAY, 12th, 13th July, at 1 each day.

On view day prior. Catalogues of Hugh William Dunn, Esq., Messrs. Davies, Dunn & Co., Chartered Accountants, 46 Queen Victoria Street, E.C., and of the Auctioneer, 62a Aldersgate Street, E.C.

BUSINESSES WANTED.

MIXED Country Retail, where gradual purchase terms would be accepted; £100 down, balance by easy payments; must be profitable and offer good prospects; South, near Coast, preferred; or would pay small premium for information (if acted upon) of good opening where suitable premises available. 85/110, Office of this Paper.

LEGAL.

IN THE MATTER of the Trading with the Enemy Amendment Act 1916 and IN THE MATTER OF WALTER OSTERMANN & CO., of 10 Monument Street, London, E.C.

By an Order of the Board of Trade dated the 5th June 1916 under Section 1 (1) of the above mentioned Act requiring the business of the above mentioned Firm to be wound up, Mr. Percy Deve Leake of 25 Abchurch Lane, King William Street, London, E.C., was appointed Controller of the Firm to control and supervise the carrying out of the said Order and to conduct the winding up of the business.

NOTICE IS HEREBY GIVEN that the Creditors of the above named Firm are required by me on or before the 22nd day of July 1916 to send their names and addresses and particulars of their debts or claims and the names and addresses of their Solicitors (if any) to me at 25 Abchurch Lane, E.C., and if so required by notice in writing from me are by their Solicitors, or personally, to prove their debts or claims at such time and place as may be specified in such notice or in default thereof they will be excluded from the benefit of any distribution made before such debts or claims are proved.

DATED this 6th day of June 1916.

P. D. LEAKE,
Controller.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

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RETAIL.

BLACKPOOL.—Unqualified, ineligible Assistant for quick Counter trade; must be accurate Dispenser; 50s. per week; four Assistants kept. Send full particulars of experience and photo (to be returned), Galloway, Blackpool.

BRISTOL.—Qualified for Light Cash Retail and N.H.I. Dispensing in good working-class district. Please state age, salary, with photo, to Haywards, Chemists, Redfield, Bristol.

CARDIFF.—Smart unqualified Assistant, outdoors, ineligible for military service, for Light Retail business; comfortable hours; must be good Salesman and courteous; to commence July 17. Please state salary desired, and send photo if possible, to Mr. Robinson, 190 Ampthill Road, Bedford.

CHELTENHAM.—Competent Assistant required; ineligible. Full particulars to Nathl. Smith & Co., 373 High Street, Cheltenham.

COLWYN BAY.—Assistant, qualified or unqualified, outdoors, for good-class business; knowledge of Photography essential; closing at 8; no Sunday duty; half-holiday weekly. Llewelyn Jones, Chemist, Colwyn Bay.

COVENTRY.—Assistants, unqualified, required. Loveitt & Bones, The Leading Chemists, Coventry.

CUMBERLAND.—Wanted, unqualified Assistant; not eligible for Army; good-class experience. Wilson & Kitchin, The County Chemists, Whitehaven.

EAST Coast.—Wanted July 1, qualified Pharmacist as Branch Manager for duration of war; ineligible, but capable and energetic. Apply, giving full particulars as to experience, salary required, and references from last two employers, 79/19, Office of this Paper.

ERITH-ON-THAMES.—Locum required, qualified, outdoors, for Erith and Belvedere, several weeks, either consecutively or for short periods during July, August, and September; preferably commencing about July 1 or 8; close Monday, Tuesday, Wednesday, 8 p.m., Thursday 1, Friday and Saturday 9.30; no Sunday duty; good salary offered to capable man. Apply, Walter Reeson, 80 High Street, Erith, Kent.

SOCIETY OF CHEMICAL INDUSTRY.

SECRETARSHIP.

THE Council of the Society of Chemical Industry invites applications for the post of Secretary. Candidates must have had scientific training as well as technical and organising experience. Commencing salary £600 per annum. Consideration will be given to the candidature of those whose services may not be available until the end of the War.

Applications, stating age, qualifications, and experience, to be made by letter only, addressed to the President of the Society, Broadway Chambers, Westminster, S.W., endorsed "Secretary," and should be delivered on or before June 20th, 1916. Candidates are requested not to canvass the members of the Council.

FARNBOROUGH.—Wanted, Assistant; unqualified; also one or two Apprentices; outdoors. Litchfield, Farnborough, Hants.

FOLKESTONE.—Assistant wanted, qualified preferred, for high-class Dispensing business; exempt or ineligible for military service; in- or out-doors. Apply, with full particulars, salary required, to J. W. Stainer, Pharmaceutical Chemist, Folkestone.

GLOUCESTER.—Qualified Assistant required (not eligible) for Light Retail and Dispensing business; some knowledge of Surgical Appliances desirable. Full particulars to Freshfield Reynolds, Pharmacist, Gloucester.

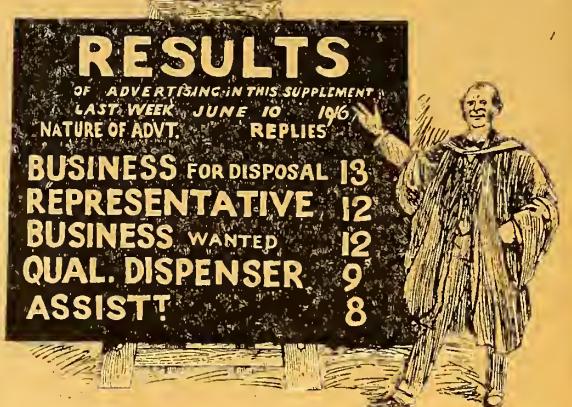
GRAVESEND.—Wanted, qualified Assistant; ineligible for the Army; accustomed to medium-class business. Apply to T. Johns, Chemist, 73 High Street, Gravesend.

GRIMSBY.—Qualified Branch Manager required, ineligible; good salary and short hours; no Sunday duty. Apply, giving age, experience, references, and salary required (outdoors), with photo (returned), to the Exors. W. Barker, Chemists, Grimsby.

INGHAM Infirmary and South Shields and Westoe Dispensary.—Wanted, a fully qualified Dispensing Chemist (lady), with Hospital experience preferred. Apply, stating salary required, with full particulars and copies of recent testimonials, to the Secretary, Ingham Infirmary, South Shields.

LIVERPOOL.—Bain & Co. require a Junior Assistant about end of July; good-class business; three Assistants kept. State age, height, experience, salary (outdoors), references, and photo if convenient, to John Bain, 4 Quadrant, Lime Street, Liverpool.

LIVERPOOL District.—Manager, ineligible, to take charge of Drug Store; must be honest, sober, and able to produce satisfactory references; a good Extractor preferred. State full particulars and salary required to "X. Y. Z." (84/2), Office of this Paper.



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcement. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

LANDRINDOD WELLS.—Wanted, Junior or lady for the season; outdoors. Full particulars to Evans, Chemist.

LONDON.—First-class unqualified Assistant required for high-class business; good Counterman and expert Dispenser. "S. R." (85/12), Office of this Paper.

LONDON, N.—Evening Assistant required on Thursday and Friday evenings from 7 till 9, and on Saturday evenings from 7 till 10. Apply, by letter or personal interview, to Pirie, 4 Grand Parade, Harringay.

LONDON, N.E.—Assistant wanted with good Counter experience, and well able to be left in charge; outdoors; alternate Sunday evening duty. Particulars of recent experience, age, and salary required to "Pharmacist" (86/27), Office of this Paper.

LONDON, S.E.—Assistant wanted (outdoors) for quick Cash business; close Thursday 1 o'clock; no Sunday duty. State experience and salary required. Brooks' Drug Stores, corner of High Street, Broadway, Deptford.

LONDON, S.W.—An Assistant wanted; a good Dispenser. Apply, with full particulars, to Amoore & Co., 173 Sloane Street, S.W.

LONDON, W.—Wanted July, qualified Manager, competent man, to take charge of middle-class business; smart Counter-man; active and experienced; hours 9 a.m. to 9.30 p.m., Sat. 10.30; alternate Sunday evening; half-day off; good reference. State full particulars and salary required, "Ineligible" (84/31), Office of this Paper.

MAIKSTONE.—Competent man, married, or single, ineligible, capable of taking charge, with experience of Optics desirable, for good Cash trade; hours 8.30 to 8, closed Wednesday at 1, Saturdays 9.30; no Sunday or Bank Holiday work; permanency for good man; the filler of vacancy releases a man for the Navy. Payne, Pharmaceutical Chemist, Maidstone.

NEWINGTON BUTTS, London.—Well-known firm have an opening for capable unqualified Assistant above military age, or who has been rejected; application from a smart young lady who has had experience in Chemist's shop, particularly Dispensing, would be entertained. 85/120, Office of this Paper.

SOUTH OF ENGLAND.—Assistant required; experienced; permanency, with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

SOUTHPAMPTON.—Wanted, qualified or unqualified Assistant; age not exceeding 26; good salary to suitable man. Apply, stating experience, etc., Martin, Pharmaceutical Chemist, Southampton.

TEIGNMOUTH.—Junior wanted (lady or gentleman) for good-class Dispensing business; outdoors. Apply, Chemist, 12 Wellington Street, Teignmouth.

WESTERN Suburb.—Wanted, the assistance of an elderly qualified Chemist for part-time daily; hours to suit. "Isis" (84/40), Office of this Paper.

WOKING.—Reliable Assistant; N.I. and Family Dispensing; every consideration given to suitable man; must be quick and reliable Dispenser (ineligible for military service). State usual particulars and salary required (outdoors), A. Wearing, The Central Pharmacy, Woking.

ASSISTANT wanted with Dispensing experience for London, S.W.; permanency; no Sunday duties. Apply or write, giving full particulars and when at liberty, 83/9, Office of this Paper.

ASSISTANT wanted at once; experienced General Retail; ineligible for Army; outdoors; good salary to suitable man. State full particulars, age, etc., W. Edes Everett, Ltd., 34 St. Botolph Street, Colchester.

GOOD opportunity for Manager; £3 5s. weekly and 10 per cent. on profit of well-established and successful Suburban business in Western City; progressive position, with partnership for right man; Junior and lad kept. Please give usual particulars, with recent photo, and when disengaged, to "Scope" (248/25), Office of this Paper.

HOURS 9 to 9, less 2½ meals; holiday Wednesday, 1 p.m.; 4 hours off Thursday afternoon; 1 hour Sunday duty; quick Dispenser essential; suit elderly or ineligible, but must be qualified; duties very light, Counter, Dispensing, etc.; young qualified not objected to. State wages, experience, age, when disengaged, in first letter, "Lanes" (83/13), Office of this Paper.

JUNIOR Assistant (outdoors), not over 30, required for good-class Retail and Dispensing business; unqualified and ineligible for military service. Apply (enclosing photo if by letter) to T. Woodruff, Pharmaceutical Chemist, Cheadle, Cheshire.

LADY Assistant wanted immediately. Please call or write, stating experience, to West, Pharmacist, High Street, Dartford.

LADY Assistant; must be a good Dispenser, and have had experience in a Chemist's establishment; vacancy not in London; comfortable permanency for suitable applicant. State age, salary required, and when at liberty, "L. A." (85/122), Office of this Paper.

LADY Assistant required for Chemist's business; duties, Dispensing and a little Counter work; permanent and progressive berth. 85/121, Office of this Paper.

LOCUM, first 2 weeks July; ineligible; thoroughly competent, and able to Manage single-handed small easily worked Retail and Dispensing business, middle-class industrial district in West of England; engagement may be extended to six or eight weeks if mutually agreeable; outdoors. Terms and references to 82/24, Office of this Paper.

LOCUM required by West-End Pharmacy, qualified gentleman (with knowledge of Continental Pharmacy preferred), for four weeks in August; if not free in August, state when available (weeks need not be consecutive). Reply, with full particulars, salary, age, qualifications, free dates, etc., 86/16, Office of this Paper.

MANAGER for Branch, London; unregistered; no Sunday duty. State fully in first letter age, experience, salary expected, and when disengaged to "Progress" (83/31), Office of this Paper.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects.

OUTDOORS.—Assistant required; ineligible for military duty. Apply, Lewis & Burrows, Ltd., 46 Holborn Bars, E.C.

PHARMACIST, woman, or man ineligible for military service, to Manage Family Retail and Dispensing business; easy hours; no Sunday or night duty. Particulars of experience, age, and salary desired, to be stated in first letter, to Martyn's Stores, Ltd., 26 Queen Street, Wolverhampton.

QUALIFIED Assistant wanted, ineligible or over military age, to take sole charge during the greater part of the day, in Light Retail Suburban Pharmacy; easy hours; pleasant locality. State salary and full particulars to Chas. Flint, Ph.C., 269 Brownhill Road, Catford, S.E.

QUALIFIED Manager required for duration of war; must have good Commercial knowledge and be accustomed to Wholesale, Retail, and Export trade. Apply by letter only, giving full particulars, Tucker, 173 Half Moon Lane, Herne Hill, S.E.

QUALIFIED (ineligible), light duties, or elderly part-time; permanency. Full particulars to A. G. Foster, Chemist, Leigh-on-Sea, Essex.

QUALIFIED Assistant required for Branch business; ineligible for military service; the berth offers good opportunity to one requiring permanency and where conscientious work and good Salesmanship will bring share interest in business; outdoors; reasonable hours. Clarke, Chemist, Bedwas, nr. Cardiff.

QUALIFIED Manager required for Branch, Retail and N.H.I.; short hours. Application, with particulars, the Secretary, Brightside and Carbrook Co-operative Society, Ltd., Kirkbridge Road, Attercliffe, Sheffield, endorsed "Chemist."

QUALIFIED, middle-aged or elderly, to cover in old-established business on the South Coast; would suit invalid; easy hours; no Sunday duty; light work. Apply, 84/38, Office of this Paper.

SENIOR Assistant (Manager) wanted; permanency; must have Country experience, be able to Extract, and have a good general knowledge of a Retail Dispensing business; married man preferred, but not essential. State age, salary (outdoors), and references, Cole, Chemist, Cavan, Ireland.

UNQUALIFIED Assistant; age about 45; comfortable and permanent post. State salary required and when at liberty, "U." (85/123), Office of this Paper.

UNQUALIFIED Assistant required in a week or two; outdoors; hours 8.30 to 8.30 and alternate Sunday evenings; possibly to Manage Branch Drug Store shortly. Apply, stating age, salary required, and references (personal interview will be arranged if possible), "Middlesex" (84/37), Office of this Paper.

WANTED, as soon as possible; for duration of war, qualified man to take sole charge of good-class business in a market town, North Riding of Yorks; good salary to a competent man; applicants must be free from military service, either through age or physical unfitness. Apply, with full particulars and references, to 81/35, Office of this Paper.

WANTED June 25, Locum for three weeks. Apply, personally or by letter, to A. Jull, 351 Fulham Palace Road, London, S.W.

WANTED immediately, qualified Chemist; good wages given. Apply, usual particulars, to 248/24, Office of this Paper.

YOUNG lady Assistant required, with good knowledge of Dispensing and Counter work; no applicant with Doctor's or Hospital experience only will be entertained. Apply, with fullest particulars, to the Managing Director, Parke's Drug Stores, Ltd., 65 Harmood Street, N.W.

WHOLESALE.

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LONDON Wholesale Chemists require a Warehouseman for Dries; experience of Fine Chemicals desirable; ineligible for military service. Full particulars, wages, etc., to "Wholesaler" (85/16), Office of this Paper.

A SSISTANT in Surgical Instrument firm; accustomed to meeting Doctors, Counter work, etc. Address, stating age, experience, references, and wages expected (knowledge of Instruments indispensable), 74/1, Office of this Paper.

D RY Chemicals.—Counterman wanted at once; good wages and permanency to the right man. Apply, "W. M. C." Burgoynes, Burbidges & Co., East Ham, E.

EXPORT Packing and Despatch.—Well-known London Wholesale Druggists require experienced man to superintend department. Full particulars, stating salary required, to 242/15, Office of this Paper.

GIRL wanted for Wrapping and Packing Powders in the Chemical trade by large House in West End. Write, giving particulars and salary, to "L. J." 342, Sells' Advertising Offices, Fleet Street, E.C.

I NTERIM Town Representative wanted by Provincial Drug House (lady or gentleman); qualified preferred. Apply, 246/31, Office of this Paper.

LABORATORY Assistant required with some experience in Perfumery and Toilet Preparations; a good opportunity for reliable worker. Apply by letter to 86/15, Office of this Paper.

MANUFACTURING Chemist required (London) immediately, practical experience in making Face Creams, Powders, Lotions, and other Toilet Preparations essential; permanency for right man; must be ineligible for national service. Apply in confidence, giving fullest particulars as to nature and length of previous experience, age, and salary required, to 81/31, Office of this Paper.

REPRESENTATIVE wanted by firm of Wholesale Druggists to work existing connection among town Chemists; must be ineligible; experience of Travelling required. Apply, 69/17, Office of this Paper.

TABLETS.—Young man (ineligible) wanted, with some knowledge of Tablet Making, by Midland Wholesale House. Apply, stating experience, wages required, etc., 248/36, Office of this Paper.

TRAVELLER required for the Midlands by a firm of Wholesale Manufacturing Chemists in Yorkshire. Send the fullest details as to age, training, experience, etc., to "X. X. X." (248/22), Office of this Paper.

TRAVELLERS wanted for South Coast, West of England, Wales, Midlands, who have a connection with Stores and Chemists, and already Representing Wholesale House, to sell advertised Proprietary Articles on good commission basis. Apply, giving age, ground covered, and references, to 81/25, Office of this Paper.

WHOLESALE.—Wanted, man of experience, ineligible for Army, to Manufacture by machinery for Wholesale Sundry and Packed Goods house; one with original ideas for new lines preferred; permanency and reasonable salary to right man. State experience, age, when at liberty, and salary required, Raybould, Whitehouse & Co., Ltd., Wholesale Chemists, Dudley, Worcs.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

[HOME.]

RETAIL.

A TRAINED Nurse wishes post as Dispenser to a Doctor. 85/19, Office of this Paper.

A CTIVE; qualified; over military age; thoroughly experienced in City and West-End Pharmacies; Locum or permanency; disengaged. "Qualified," 372 Harrow Road, W.

A S Dispenser; qualified; experienced; ineligible. "J." 12 Kent Road, Tunbridge Wells.

A S Locum, Manager, Assistant, or permanency; reasonable terms; West of England preferred, not essential. 83/21, Office of this Paper.

A S Senior or Dispenser; tall, active; Minor; age 50; experienced in Pharmacy and Store trade. "Radio," 385 Durnsford Road, Wimbledon Park, S.W.

A SSISTANT; 29; unqualified; 10 years' experience; ineligible for military service; country preferred. "Chemicus," Woodside, Mochdre, Newtown.

A SSISTANT, free Wednesday and Sunday evenings. "Qualified," 59 Engadine Street, Southfields, S.W.

A SSISTANT; age 45; slender built; accustomed to Mixed business (good all-round hand); good references. 85/13, Office of this Paper.

DISPENSER, experienced Prescriber and Extractor, requires engagement with Doctor or Chemist; ineligible. 82/7, Office of this Paper.

DISPENSER; qualified (ex-Sergt. R.A.M.C.); experienced; good references; abstainer; disengaged. Hunter, 32 Peel Street, Church Street, Kensington, W.

DISPENSER, lady, requires post in good-class Pharmacy in or near Bradford; unqualified. 83/36, Office of this Paper.

DISPENSER seeks post with Doctor; unqualified; well recommended. Harris, St. Mary's Street, Canterbury.

DISPENSER, highest references and experience, desires post with Doctor or Chemist; rejected; thoroughly reliable. "Statim," 17 Strathnairn Road, Bermondsey, S.E.

DISPENSER requires post with Doctor or in Institution; experienced; provinces preferred. 85/8, Office of this Paper.

DISPENSER seeks post; London only; ineligible. 85/3, Office of this Paper.

DISPENSER-SECRETARY; disengaged Tuesday, Thursday, Saturdays; Institution or Travelling; London; experienced; ineligible. 86/3, Office of this Paper.

ELDERLY qualified man seeks situation, Locum or otherwise; good Dispenser. Chemist, 16 Barnsbury Street, Islington, N.

EXPERIENCED Manager or Managing Assistant, unqualified, age 33, married (military unfit), desires permanency in a good-class business; good Counterman, Prescriber, Stockkeeper. Give fullest particulars first letter, "Rhei," 55 Brackenbury Road, Preston.

FIRST-CLASS qualified man (50) has mornings and afternoons to spare. "X.X." (82/4), Office of this Paper.

GENTLEMAN, having had good-class experience in Chemistry and Dentistry, with own Instruments, seeks appointment as Manager of Chemist's business, with Dentistry or Drug Store, and Dental Surgery; Midlands or South preferred; discharged from military service; view succession considered. Please give full particulars, in confidence, 78/11, Office of this Paper.

LADY Dispenser, partly qualified, practical experience of Chemist's Dispensing, desires a post with Chemist or Doctor, in or near London. "Z." (82/9), Office of this Paper.

ADY, Hall certificate and Matriculated, desires post in good-class Chemists', to Dispense and learn Counter work in preparation for Minor; Wednesday and Thursday evenings free, as studying for Inter. B.Sc.; salary 35s. Address, Kerridge, "Haslemere," Cavendish Road, Merton, S.W.

ADY Dispenser (Hall) desires post, Chemist, Hospital, or Doctor; London preferred. 83/18, Office of this Paper.

ADY Dispenser (Hall); disengaged; London district. "M. H." 69 Navarino Mansions, Dalston Lane, N.E.

ADY Dispenser, qualified, desires post. Apply, "A. K. A." (84/5), Office of this Paper.

OCUM; qualified; disengaged June 25; terms moderate. "Scio" (82/1), Office of this Paper.

OCUM; qualified; 46; outdoors; thoroughly experienced; disengaged. "Chemist," 33 Lansdowne Street, Hove, Brighton.

OCUM; unqualified; 28; reliable, trustworthy; excellent references; seaside or country; disengaged July 29. Particulars to "Rex," 47 Lismore Road, Hampstead, N.W.

OCUM; qualified; long experience; highest references. 11 Woodhurst Road, Moseley, Birmingham.

OCUM; experienced Dispenser. Communicate "M.P.S." 52 Manor Drive, Leeds.

OCUM or temporary; 22; rejected; disengaged; unqualified. Cohen, 83 Spencer Place, Leeds.

OCUM, disengaged June 24, for three weeks; over experience; excellent references; abstainer; 31; tall; £2 2s. indoors, £3 3s. out, and fare; Midlands. Locum, Wolverhampton, Notts.

OCUM, Teuens; qualified; elderly, active; Prescriber; disengaged. Ben Griffiths, Newcastle Hill, Bridgend, Glam.

OCUM; country; qualified; 50; first-class references; disengaged July 15 to August 21, after September 10; booking forward. Dewey, Barron, Chemists, Chapel Road, Worthing.

OCUM; 34; qualified; good references. Saunderson, "Ivanhoe," Wick Road, Brislington, Bristol.

OCUM; disengaged middle of July. "Rhei," 37 Upper Kensington Lane.

OCUM; 34; qualified; disengaged June, July; can start at once. Adams, 70 Clancarty Road, Fulham.

LONDON Only.—Branch Manager, Assistant; over military age; unqualified; abstainer; Front Counter, Dispensing; disengaged. State salary (outdoors), "Hodie," 10 Alfare Road, Clapton, N.E.

LONDON Manager and Buyer, qualified, 38, married, desires a change; salary required £5 per week. Offers, 85/4, Office of this Paper.

MANAGER or only qualified person; can commence immediately. 84/26, Office of this Paper.

MANAGER or Senior; 44; unqualified; single; good Window-dresser and Photography; 16 years present situation; capital to invest; South Coast preferred. Reply, "Statim" (83/2), Office of this Paper.

MANAGER, Locum; shortly disengaged. Reference to present employer at 181 Coatsworth Road, Gateshead; reply "Major," same address.

MANAGERSHIP or position of trust in London by qualified Chemist; over military age; married; Pharmacy or Hospital. "J." (85/15), Office of this Paper.

MINOR, Scotswoman, 30, tactful, businesslike, 11 years' varied experience. Managed Retail and Hospital Pharmacies, desires position, London district; hours approximately 10 to 5. 81/14, Office of this Paper.

PERMANENCY or temporary; 41; accustomed Management; unregistered; disengaged. "Chemicus," 89 Denmark Road, Manchester.

PHARMACIST, young, ineligible, as Locum; Coast or country; good experience and references; disengaged end July. Full particulars, "M.P.S." 8 Cranbrook Park, Wood Green, N.

QUALIFIED; 29; disengaged shortly; ineligible; good Counter man and Dispenser; London and Suburban experience; excellent references. Apply, 81/29, Office of this Paper.

QUALIFIED Dispenser desires post, London or Suburbs; 10 years' experience; highest references. 81/21, Office of this Paper.

QUALIFIED; 37; good Dispensing experience, N.H.I., etc. "Salol" (83/3), Office of this Paper.

QUALIFIED (ineligible) desires change; experienced; wants permanency; Manager Branch or otherwise. 247/58, Office of this Paper.

QUALIFIED; 29; experienced; ineligible; as Manager or responsible position; London. "Aspirin," 35 Hamlet Gardens, Ravenscourt Park, W.

QUALIFIED (25), exempt, Manager, requires change; salary required £4 10s.; excellent references. "Statim," 80 Caversham Road, Kentish Town, N.W.

QUALIFIED Chemist desires position as Manager; elderly; experienced in all branches of profession; reliable and active. Full details and suggested honorarium to "Beaumont," 15 Market Place, Southwold.

QUALIFIED; 39; married; exempt; Locum, permanency; disengaged. Stewart, 3 Elborough Street, Southfields.

QUALIFIED Manager; ineligible; experienced all classes of business; sober, industrious, and reliable; market knowledge, now at liberty; married; country not objected to. 84/33, Office of this Paper.

QUALIFIED; elderly; single; permanency; London; short hours; moderate terms. 84/32, Office of this Paper.

QUALIFIED Manager or Locum; 44; energetic. 83/14, Office of this Paper.

QUALIFIED; 25; rejected; London preferred. "J. W." 23 Chelsham Road, Clapham, S.W.

RELIEF, four or five whole days weekly; experienced; S.E. district. Morris, 43 Adolphus Street, New Cross, S.E.

SCOTCH qualified can offer alternate evenings in July; S.E. district, London. "Willsit," 102 Shaftesbury Avenue, Southend-on-Sea.

UNQUALIFIED; over military age; highest references; experienced; Manager or Assistant; single; in- or out-doors. "1" (79/20), Office of this Paper.

UNQUALIFIED; 19; ineligible; Birmingham district; state salary. Craingold, 131 Stocks Street, Manchester.

UNQUALIFIED; elderly; Assistant or Branch; energetic. 84/9, Office of this Paper.

UNQUALIFIED; just over military age; Locum or permanency; disengaged; London preferred; all-round experience. "Radix," 72 Tremadoc Road, Clapham, S.W.

WANTED by lady, position as Counter hand or Assistant; unqualified; ten years' experience. Apply, "E. S." (79/17), Office of this Paper.

YOUNG lady desires situation; Pack and Assist Counter; Southend district preferred. Apply, 81/37, Office of this Paper.

YOUNG man employed Wholesale would assist Chemist evenings after 6. 86/5, Office of this Paper.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

OFFER FOR THE PERIOD OF THE WAR TO PROPRIETORS OF GOOD-CLASS PHARMACIES IN OR IN THE NEIGHBOURHOOD OF LONDON.

A firm of Manufacturing Chemists, having two Managers with Pharmaceutical qualifications and recent good Retail record, will spare the services of one either to enable a proprietor to join the Colours without sacrifice, or to enable the Pharmacist to take a holiday without loss of business; terms will be arranged to suit applicant, and the only conditions are that the business shall be approved by the firm, and that the proposed Manager shall, during the absence of the proprietor, be at liberty to introduce any agreed upon Specialities to the customers of the Pharmacy. Apply, 83/10, Office of this Paper.

ADVERTISER. (ineligible) seeks post of Traveller for a good House; well up all branches of trade; Yorks or Yorks and Lancs. Particulars, 83/17, Office of this Paper.

ADVERTISER, wishing to travel own Proprietary Toilet article, London suburbs and South Coast, will take on any other well-advertised similar line on commission and part expenses. Write, "G. D. K.", 239b High Holborn, London.

PHARMACEUTICAL, Toilet, Perfumery, and Chemicals, etc.—Practical man (27), ineligible, 11 years' experience, capable supervisor, desires permanency. 83/25, Office of this Paper.

SUNDRIES and Surgical Goods.—As Manager or position of trust; thoroughly experienced. 81/33, Office of this Paper.

TRAVELLER's position required by Chemist (34), ineligible; well up in all branches. 84/25, Office of this Paper.

TRAVELLER; disengaged; ineligible; provincial connection (West, North); qualified Chemist; good record; references. 83/24, Office of this Paper.

TRAVELLER Representing first-class London Sundry House; exempted; smart Salesman; excellent connection London, South Coast. 80/5, Office of this Paper.

MISCELLANEOUS.

MCADAM & TUCKNIS. Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone, 81 Lee Green.

Shares for Sale (free of commission, subject).—100 Borax Deferred, 33s.; £500 Dental Manufacturing 4 per cent. Dehentures, £72 in £100, yielding over 5½ per cent. at price; 50 J. Knight, 27s. 10½d.; 50 W. B. Fordham, 10s. 43d.; 150 Bleachers' Ordinary, 18s. 1½d.; 46 Gossage Preference, 19s.

Wanted (subject).—140 Allenbury Preference; 125 Idris "A" Preference; Idris Dehentures; 150 British Oil Cake Ordinary, 23s. 7½d.; 40 Castner, Kellner, 67s. 6d.; 100 Natal Ammonium Preference, 14s. 6d.

Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

SHOP FITTINGS.—War Bargains; Mahogany and Plate Glass Sponge Case with bent top, 75s.; 10 ft. Mahogany and Plate Glass Serving Counter, £8; Perfumery Case and Desk, 52s. 6d.; 4 ft. Bent Counter Case, 45s. Write enquiries, PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.O.

MANUFACTURERS of special Food are open to negotiate with firm of standing for the sale and distribution of a new product for Infants and Invalids. 246/48, Office of this Paper.

CHEMIST'S good second-hand 12-ft. Mahogany Drug Fitting, 6-ft. Mahogany Dispensing Screen and Counter, 4-ft. Mahogany Wall-case, 10-ft. Glass-fronted Counter; Nest of Counter Drawers; Perfumery Case and Desk; 4-ft. Bent Glass Counter Case; the lot £45; bargain; cheapest house for Window Enclosures, Mirrors, Glass Shelves, modern Shop Fronts, Improvements, etc.; plans prepared; estimates free. Mills, Shopfront, Shopfitting, and Glass Facia Works, 163-165 Old Street, London, E.C. Phone London Wall 550.

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CLEAR BLUE TINTED.—3 and 4 oz., 6 and 8 oz., 12 oz., 16 oz. Plain or graduated.

BEST QUININE, TINTED.—3 and 4 oz., 6 and 8 oz., 12 oz., 16 oz. Plain or graduated.

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PANEL BOTTLES.—We send six gross assorted or otherwise, carriage paid within seven miles, and to certain stations. Particulars on application.

CORKS.—Good quality. No advance in price: 6 and 8 oz. bottles, 9d. per gross in 6 gross bags. Vials 6d. per gross in 3 gross bags.

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Initial Consultation Free

WAR WANTS EXCHANGE.

For the terms upon which announcements are inserted herein see Supplement for June 3, p. xxxvi.

FOR DISPOSAL.

Bona-fide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—

Antinosin (80/31)	Methyl salicylate, 1 lb. (83/5)
Argent. proteinate, ½ lb. (82/8)	Morphin. hydrochlor., ½ oz. (82/8)
Aspirin (Bayer) (80/31)	Opium, pulv., 2 oz. (82/8)
Atropin. sulph. (Merck) (80/31 and 82/2)	Phenacetin, 4 oz. (82/8)
Beta-euacaine (80/31)	Phenacetin (Bayer), 1 lb. (83/5)
Borax, lump (82/2)	Potassium iodide, 4 oz. (82/8)
Chloral hydrate, 4 oz. (82/8)	Pyoktanin blue (Merck) (80/31)
Cocain. hydrochlor., ½ oz. (82/8 and (Merck) 80/31)	Quinine salicylate (82/2)
Dionin tablets (Merck) (80/31)	Santonine, 1 oz. (82/8)
Edinol (unopened) (82/2)	Scopolamin hydrobrom. (Merck) (80/31)
Eupenthalmin (80/31)	Triketresol (Schering) (80/31)
Fibrolisin ampoules (82/2)	Trional (Bayer), unopened (82/2)
Holocain (80/31)	Yohimbin (80/31)
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EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number. No advertisement inserted for less than 6d.

FOR DISPOSAL.

BOOKS AND PERIODICALS.

EXTRA Pharmacopœia, latest edition (16th). 1915, 11s. 6d. Enness, Pharmacist, High Street, Wandsworth, S.W.

DRUGS AND CHEMICALS.

OFFERS wanted, 3½ oz. santonine, 4-oz. tin quinine sulph., 3 oz. metallic himsmuth. Apply, Drug Stores, 247 Camberwell New Road, S.E.

14 lb. cream tartar, 30s.; cocaine. hyd., 22s. 6d. oz.; santonine, 10s. oz.; caustic potash, B.P., 12s. 6d. lb.; 2 lb. indigo, 25s. lb.; soda salicylas, 17s. 6d. lb. Lewis, Medical Hall, Newport, Mon.

OPTICAL AND PHOTOGRAPHIC.

72 microscopic slides, 2s. dozen, 10s. lot; exchange books; approval. Lintin, 86 Freedom Rosd, Sheffield.

MISCELLANEOUS.

OFFERS.—Artificial leg (right), best make, as Maw's Fig. 38 70s.; Thermal bath-cabinet; box 6 plates Marion's Record, 12 x 10. Shilcock, Bromley, Kent.

WANTED.

WANTED, few tubes petol cream, 1s. Southon, 8 Leadenhall Street, E.C.

DENTAL fitting, chair, etc. Write, T. Andrews, 126 Stephendale Road, Fulham.

ADVERTISER wishes to buy phenolphthalein. State quantity and price for cash, 247/50, Office of this Paper.

WANTED immediately, dental engine, forceps, impression-trays, new or second-hand, for cash. D. Blackwood, Medical Hall, Aughnacloy, Co. Tyrone.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

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This Bicarbonate answers all the requirements of the British Pharmacopœia. It is a pure, refined, and recrystallised salt, particularly free from metals or any base other than soda. This sodium bicarbonate is specially suitable for the preparation of granular effervescent preparations and salines, seidlitz powders and baking powders, and is well adapted for other medicinal and domestic purposes. It is the purest and cheapest sodium bicarbonate made.

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This sodium compound (sodium sesquicarbonate) is a variety of carbonate of soda in small silky crystals, containing much less water than ordinary washing soda; 1 lb. of it does the work of 2 lbs. of washing soda. Concentrated crystal soda is excellently suited for chemists' trade; they can make a speciality of it, and it is also suited for making water-softeners, brush powders, hair-wash powders, and the like.

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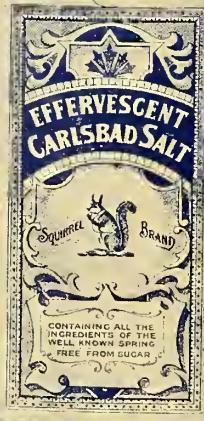
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